SAVA-500/SS-CN16/SR16

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model

(L-ch) (R-ch)

Photo: SS-SR16 Photo: SS-CN16 Photo: Main Unit

The SAVA-500 composed of the following table.

Front Speaker	Main Unit
Center Speaker	SS-CN16
Rear Speaker	SS-SR16

SPECIFICATIONS

Amplifier section

AUDIO POWER SPECIFICATIONS (US model)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
with 8 ohm loads both channels driven, from 200 Hz - 20 kHz; rated 20 watts per channel minimum RMS power, with no more than 0.8% total harmonic distortion from 250 milliwatts to rated output.

Continuous RMS power output
- Stereo channel: 20 Hz - 20 kHz, 0.8% THD, 20 W × 2 (Front L/R, 8 ohms) + 50 W (Subwoofer, 8 ohms)
- Surround channel: 20 Hz - 20 kHz, 0.8% THD, 20 W (Center, 8 ohms), 20 W ×2 (Rear, 8 ohms)
- TOTAL: 150 W

Input sensitivity/Impedance
- TV/VIDEO/AUX: 400 mV, 45 kohms
- 5.1 CH: 280 mV, 45 kohms
- CONTROL S (US, Canadian models): Only for Sony XBR² and Sony Projection TV

Output
- Center speaker: Accepts only supplied SS-CN16
- Rear speaker: Accepts only supplied SS-SR16
- Wireless rear speaker: Accepts only Sony models
- R-ch speaker: Accepts only SAVA-500 R-ch speaker with supplied exclusive speaker cord

Tone control: Bass: ±10 dB at 100 Hz, Treble: ±10 dB at 10 kHz

Speaker section

Type
- Front speaker:
  - Front: Bass reflex type, magnetically shielded
  - Subwoofer: Advanced SAW type, magnetically shielded
- Center speaker: Bass reflex type, magnetically shielded
- Rear speaker: Bass reflex type

Speaker unit
- Front speaker
  - Fullrange: 10 cm (4 in.) cone type
  - Subwoofer: 16 cm (6 1/2 in.) cone type
- Center speaker
  - Fullrange: 8 cm (3 in.) cone type × 2
- Rear speaker
  - Fullrange: 8 cm (3 in.) cone type × 2

General

Power requirement
- US, Canadian models: 120 V AC, 60 Hz
- Other models: 220 – 230 V AC, 50/60 Hz

The value indicated above were measured using a 230 V AC, 50 Hz power supply.

Power consumption
- US model: 140 W
- Canadian model: 160 W
- Other models: 170 W

– Continued on next page –

HOME THEATER ACTIVE SPEAKER SYSTEM

MICROFILM

SONY®

Dimensions

Front speaker:	Approx. 281 × 1,035 × 390 mm (11 1/8 × 40 3/4 × 15 3/8 in.) (w/h/d, including speaker base)
Center speaker :	Approx. 280 × 110 × 140 mm (11 1/8 × 4 3/8 × 5 5/8 in.) (w/h/d, including grille net)
Rear speaker :	Approx. 110 × 160 × 140 mm (4 3/8 × 6 3/8 × 5 1/2 in.) each (w/h/d, including grille net)

Mass

Front speaker (Left):	19.5 kg (43 lb)
Front speaker (Right):	13.9 kg (30 lb 10 oz)
Center speaker:	1.7 kg (3 lb 12 oz)
Rear speaker:	820 g (1 lb 13 oz) each

Supplied accessories

Foot pads (4)
Front L/R speaker connecting cord, 3.5 m (12 ft) (1)
Center speaker connecting cord, 2.5 m (8 ft 2 1/2 in.) (1)
Rear speaker connecting cords, 10 m (32 ft 9 3/4 in.) (2)
Audio connecting cord, 1.5 m (5 ft) (1)
Remote commander (remote) RM-J70 (1)
Sony size-AA (R6) batteries (2)
SCART adaptor (European model only) (1)

Design and specifications are subject to change without notice.

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SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

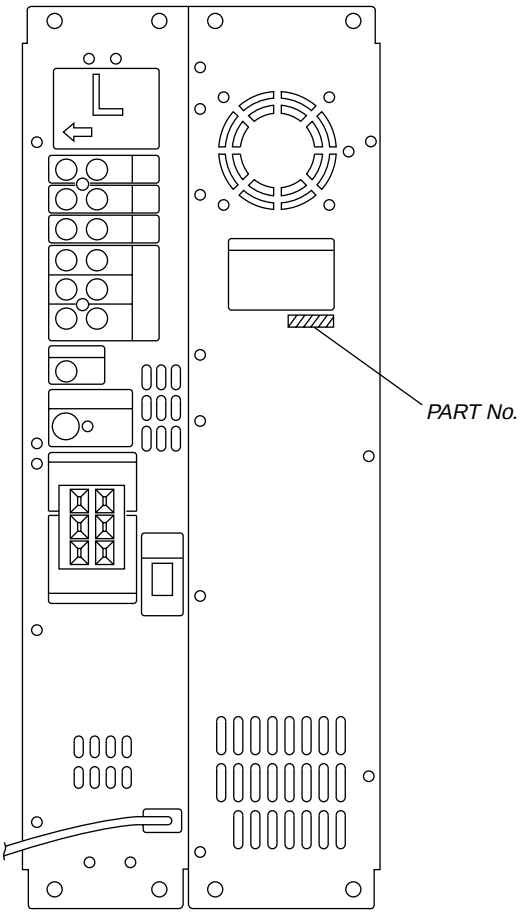
ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1
SERVICING NOTES

MODEL IDENTIFICATION

– Rear view –



MODEL	PART No.
US model	4-217-252-3
Canadian model	4-217-252-4
EXCEPT US, Canadian models	4-217-252-5

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

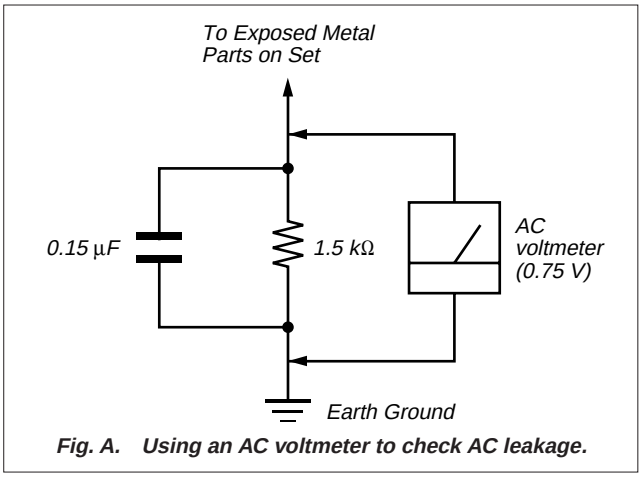
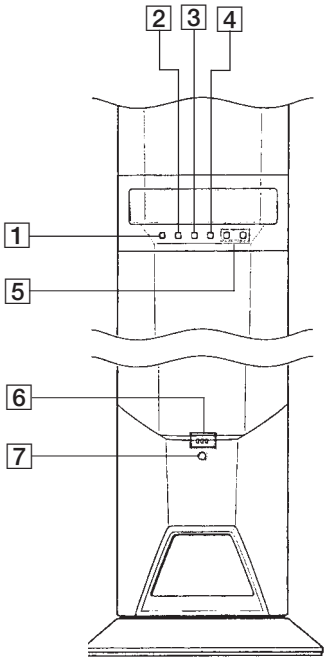


Fig. A. Using an AC voltmeter to check AC leakage.

SECTION 2
GENERAL

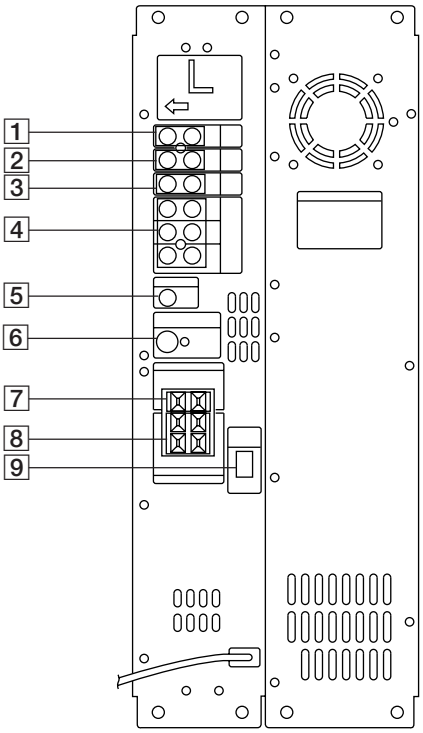
• LOCATION OF CONTROLS

Main Unit (L-ch)
– Front View –



1 INPUT button
2 SURROUND button
3 CENTER MODE button
4 S. WOOFER button
5 MASTER VOL +/– buttons
6 STANDBY, ON, READY indicators
7 ⏻ button

– Rear View –

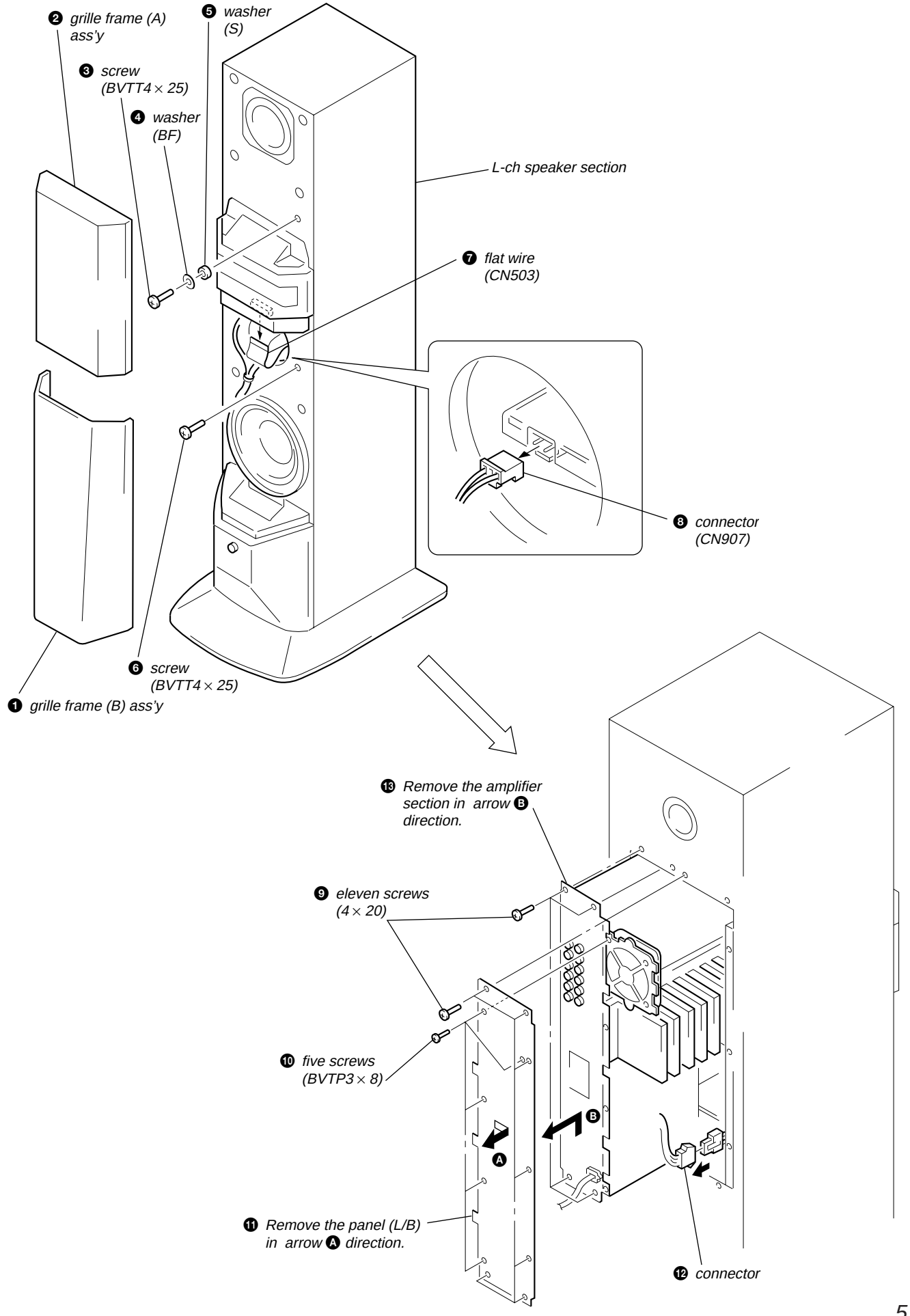


1 TV IN jack
2 VIDEO IN jack
3 AUX IN jack
4 5.1CH INPUT (FRONT, REAR, WOOFER, CENTER) jack
5 CONTROL S, TV IN jack (US, Canadian models)
6 WIRELESS REAR SPEAKER jack
7 CENTER SPEAKER terminal
8 REAR SPEAKERS terminal
9 R-ch SPEAKER OUTPUT connector

SECTION 3
DISASSEMBLY

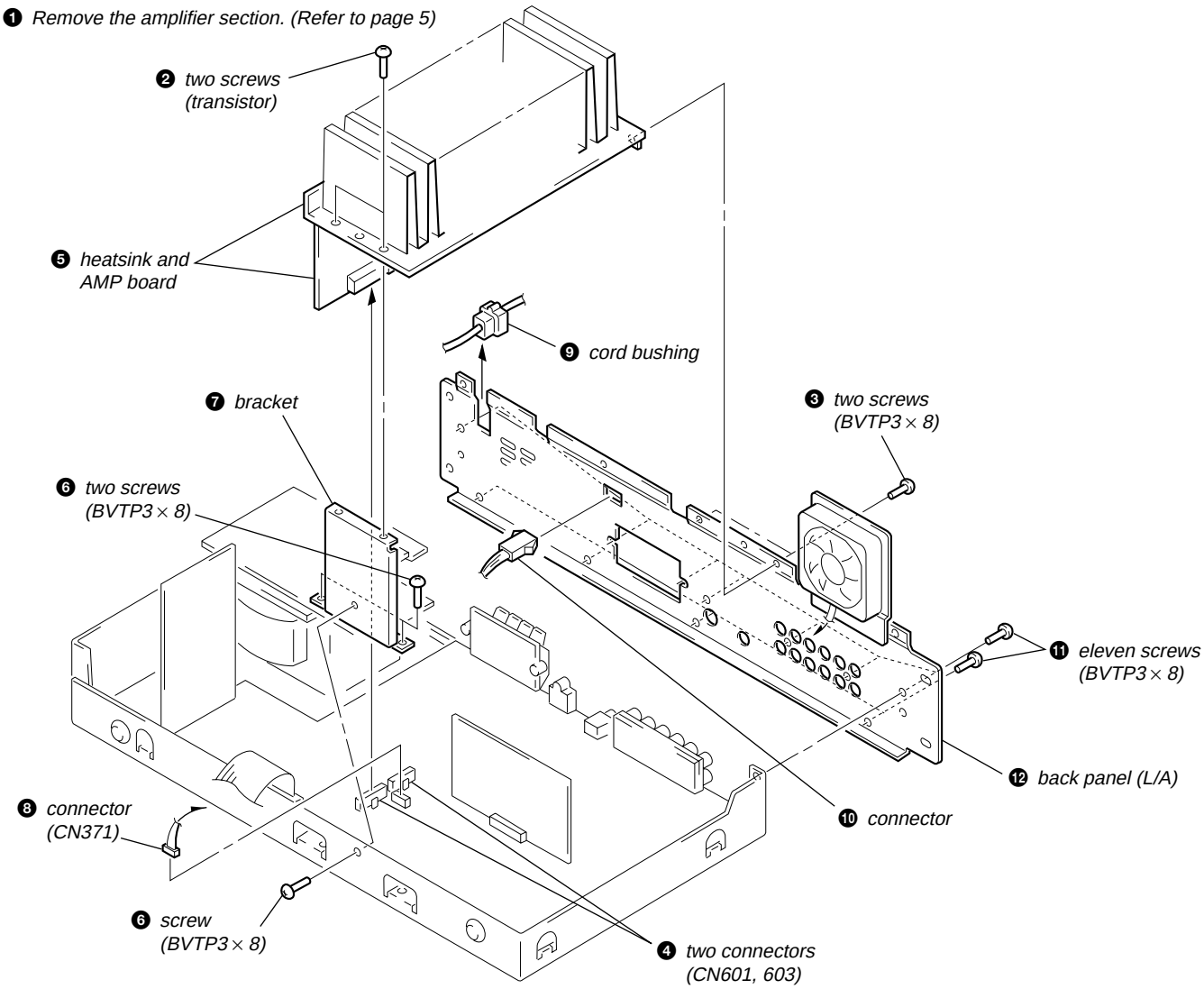
Note: Follow the disassembly procedure in the numerical order given.

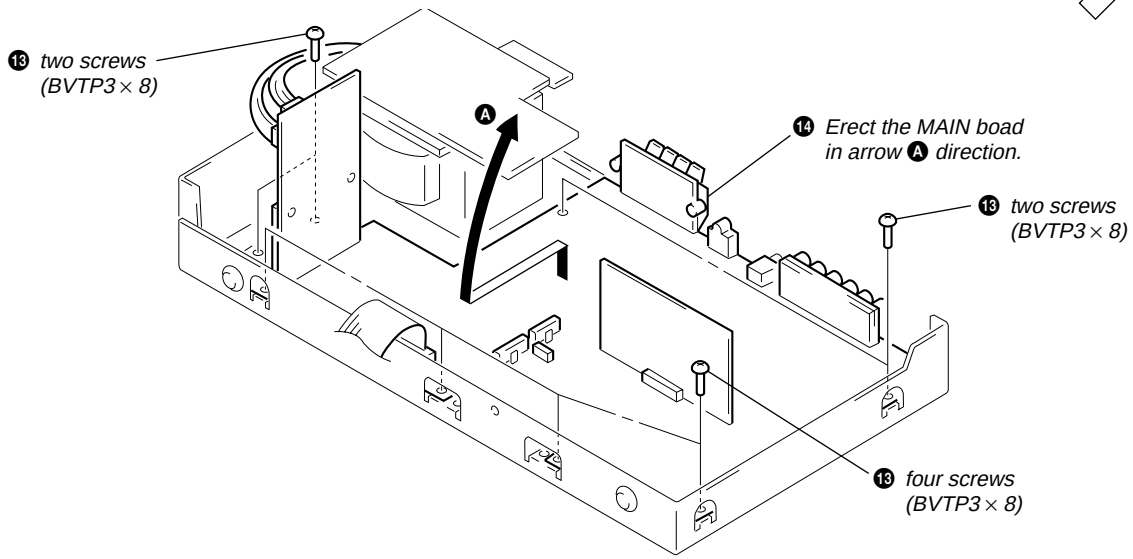
AMPLIFIER SECTION

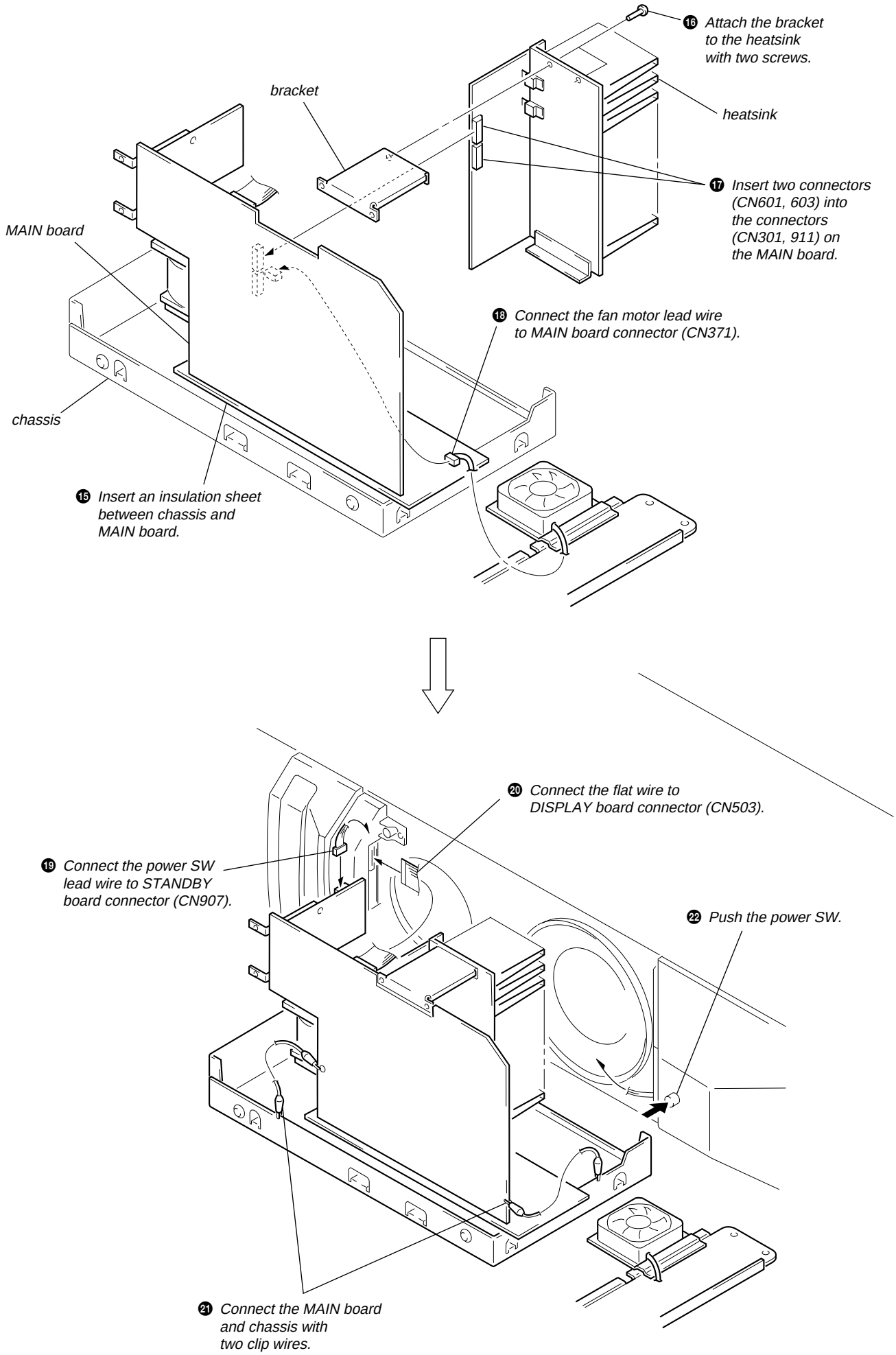

❷ grille frame (A) ass'y
❺ washer (S)
❸ screw (BVTT4 × 25)
❹ washer (BF)
L-ch speaker section
❼ flat wire (CN503)
❽ connector (CN907)
❻ screw (BVTT4 × 25)
❶ grille frame (B) ass'y
❸ Remove the amplifier section in arrow Ⓑ direction.
❾ eleven screws (4 × 20)
❿ five screws (BVTP3 × 8)
Ⓑ
Ⓐ
⓫ Remove the panel (L/B) in arrow Ⓐ direction.
⓬ connector

SERVICE POSITION

❶ *Remove the amplifier section. (Refer to page 5)*


❷ two screws (transistor)
❺ heatsink and AMP board
❾ cord bushing
❼ bracket
❸ two screws (BVTP3 × 8)
❻ two screws (BVTP3 × 8)
⓫ eleven screws (BVTP3 × 8)
⓬ back panel (L/A)
❽ connector (CN371)
⓾ connector
❻ screw (BVTP3 × 8)
❹ two connectors (CN601, 603)




⓰ Attach the bracket to the heatsink with two screws.
bracket
heatsink
⓱ Insert two connectors (CN601, 603) into the connectors (CN301, 911) on the MAIN board.
MAIN board
⓲ Connect the fan motor lead wire to MAIN board connector (CN371).
chassis
⓯ Insert an insulation sheet between chassis and MAIN board.
⓴ Connect the flat wire to DISPLAY board connector (CN503).
⓳ Connect the power SW lead wire to STANDBY board connector (CN907).
㉒ Push the power SW.
㉑ Connect the MAIN board and chassis with two clip wires.

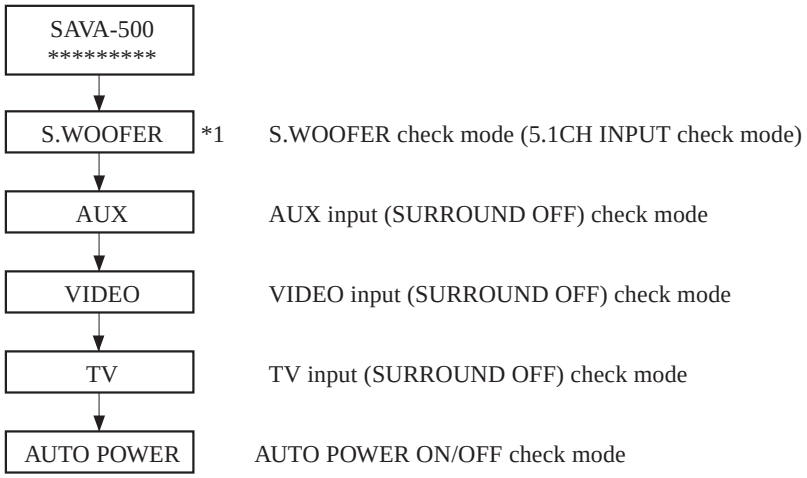
SECTION 4
TEST MODE

This set provides four test modes as follows.
1. INPUT CHECK MODE
2. KEY CHECK MODE
3. AMP CHECK MODE
4. DEMONSTRATION MODE

The following describes each test mode in detail.

4-1. INPUT CHECK MODE

Procedure:
1. While pressing the both [S.WOOFER] and [MASTER VOL +] buttons, turn the power ON.
2. Fluorescent indicator tube display “SAVA-500”, after the all lights up, and enter the input check mode.
3. Pressing the [INPUT] button varies the display as follows.



*1 Pressing the [SURROUND] button makes the S.WOOFER level minimum, or the [S.WOOFER] button makes the S.WOOFER level maximum, or [CENTER MODE] button returns default.

Note: In each mode, the volume is muted except for the channels that can be checked.

4. To release the test mode, push back [⏻] button.

4-2. KEY CHECK MODE

Procedure:
1. Push back [⏻] button to turn the power OFF.
2. Connect the lead wire to TP3 and TP4 on the KEY board.
3. Push [⏻] button to power ON.
4. Let the lead wire short TP3 and TP4.
5. Fluorescent indicator tube display “KEY CHK 500”, and enter the key check mode.
6. Pressing any buttons, the number of button will be displayed on the fluorescent indicator tube.
7. Pressing the first button turns on the [READY] LED (red), and the second button turns on the [ON] LED (green). Thus, two LEDs light up alternately each time the buttons are pressed.

Button	Button Number
INPUT	1
SURROUND	2
CENTER MODE	3
WOOFER	4
MASTER VOL –	5
MASTER VOL +	6

8. After all buttons are pressed, it will be in the STANDBY mode.

Note: If a check failed, the set does not go in STANDBY state, and you cannot exit from the test mode. In this case, quit the test mode by pushing back [⏻] button.

4-3. AMP CHECK MODE

Procedure:

1. Push back ⏻ button to turn the power OFF.
2. Connect the lead wire to TP1 and TP2 on the KEY board.
3. Push ⏻ button to power ON.
4. Let the lead wire connected TP1 and TP2.
5. Fluorescent indicator tube display “AMP CHK 500”, and enter the amp check mode.
6. The check step advances in order as TP1 and TP2 are shorted.

	STEP		INPUT	VOL	SW MODE	SUR MODE	BASS	TREBLE
	0	AMP CHK 500	VIDEO	MIN	1	PRO LOGIC	0	0
	1	AMP CHK 1	VIDEO	MAX	OFF	OFF	0	0
	2	AMP CHK 2	VIDEO	MAX	OFF	PRO LOGIC	0	0
	3	AMP CHK 3	VIDEO	MAX	OFF	GAME	0	0
	4	AMP CHK 4	VIDEO	MAX	1	OFF	0	0
	5	AMP CHK 5	VIDEO	MAX	2	OFF	0	0
	6	AMP CHK 6	AUX	MIN	1	PRO LOGIC	0	0
	7	AMP CHK 7	AUX	MAX	1	PRO LOGIC	0	0
	8	AMP CHK 8	5.1	MAX	1	–	0	0
	9	AMP CHK 9	5.1	MIN	1	–	0	0
	10	AMP CHK 10	5.1	MAX	1	–	–5	–5
	11	AMP CHK 11	5.1	MAX	1	–	+5	+5
*	12	AMP CHK 12	TV	MAX	1	PRO LOGIC	0	0

*1 The step 12 is the AUTO POWER ON/OFF check.

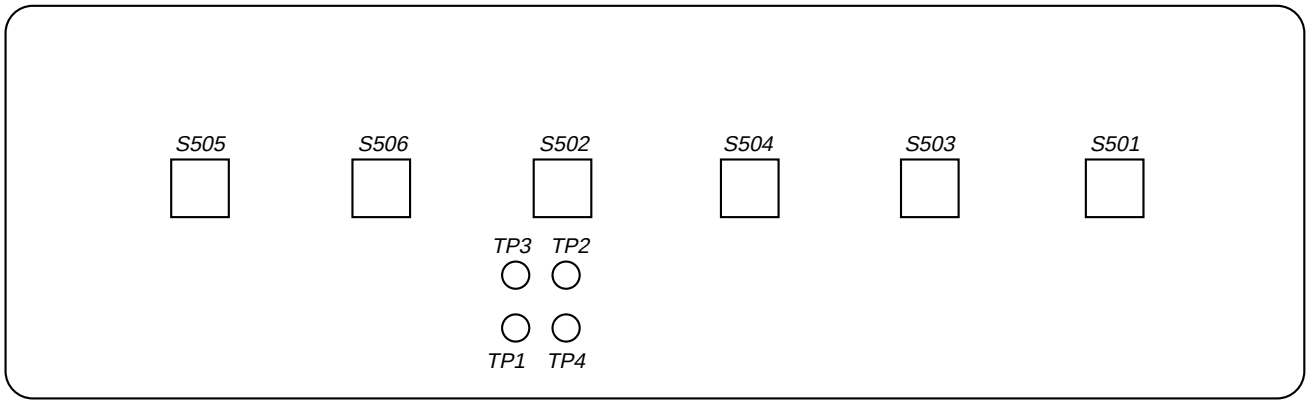
*2 The step 12 is automatically turned the power OFF in one second, ON when a signal is entered to TV input, and OFF when a signal input stops.

*3 After the step 12 finished, return the parameters to default values, then turn the power OFF.

7. To release the test mode, push back ⏻ button.

• Checking Location

– KEY Board (Conductor Side) –



4-4. DEMONSTRATION MODE

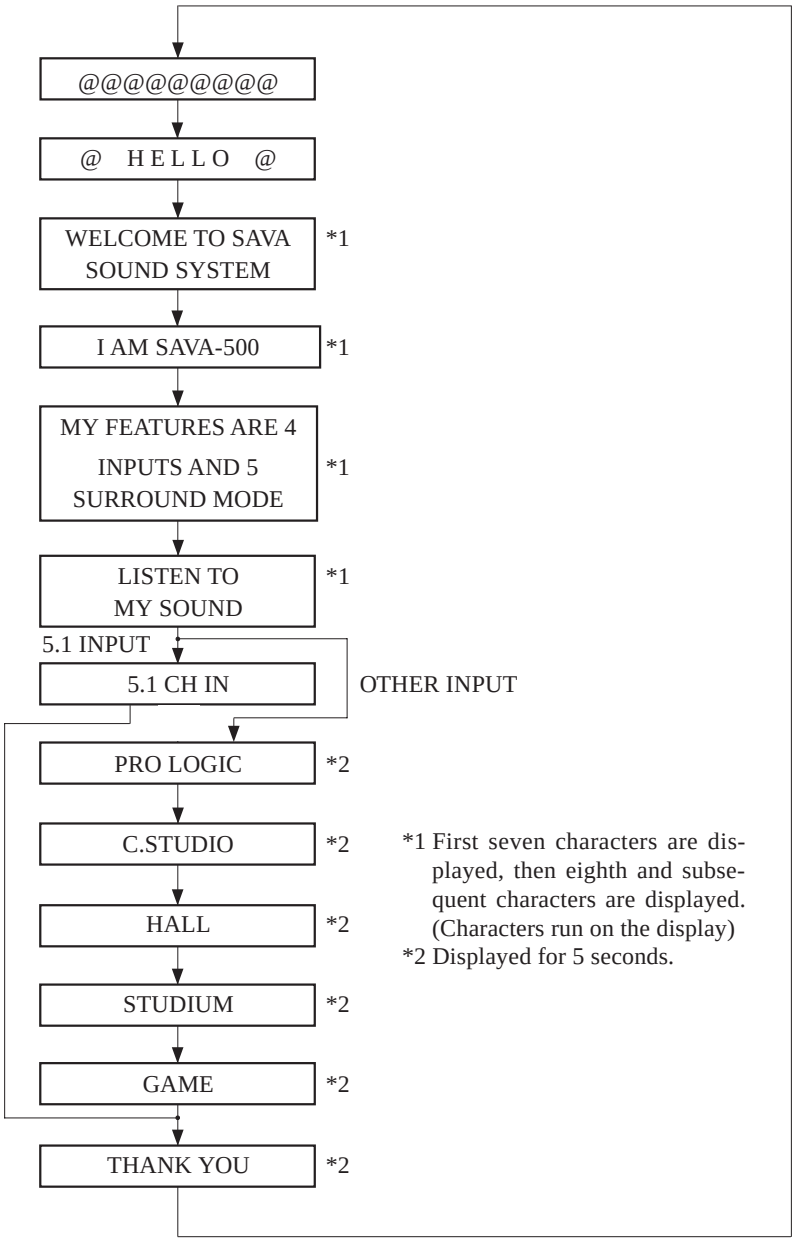
1. Entering the demonstration mode

- Press the [INPUT] and [MASTER VOL +] buttons simultaneously to start demonstration mode.
- When the set goes in demonstration mode, the [ON] LED (green) blinks, and the [STANDBY] and [READY] LEDs (red) light up.
- The sequence during the demonstration mode is following as bellow.

Note:

1. In the demonstration mode, only the [INPUT], [MASTER VOL], and [S.WOOFER] buttons are active.
2. The operation with remote commander is disabled.

Demonstration mode sequence:



Note: 1 The demonstration mode operates with the input, and volume position selected last.
2 The input and volume are variable even during demonstration mode.

2. Releasing the demonstration mode

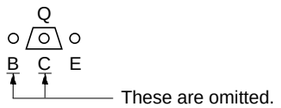
- To release the demonstration mode, push back [⏻] button.

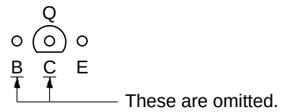
SECTION 5
DIAGRAMS

5-1. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note on Printed Wiring Board:
- ○——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.
- ▒▒▒ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)
- Indication of transistor.



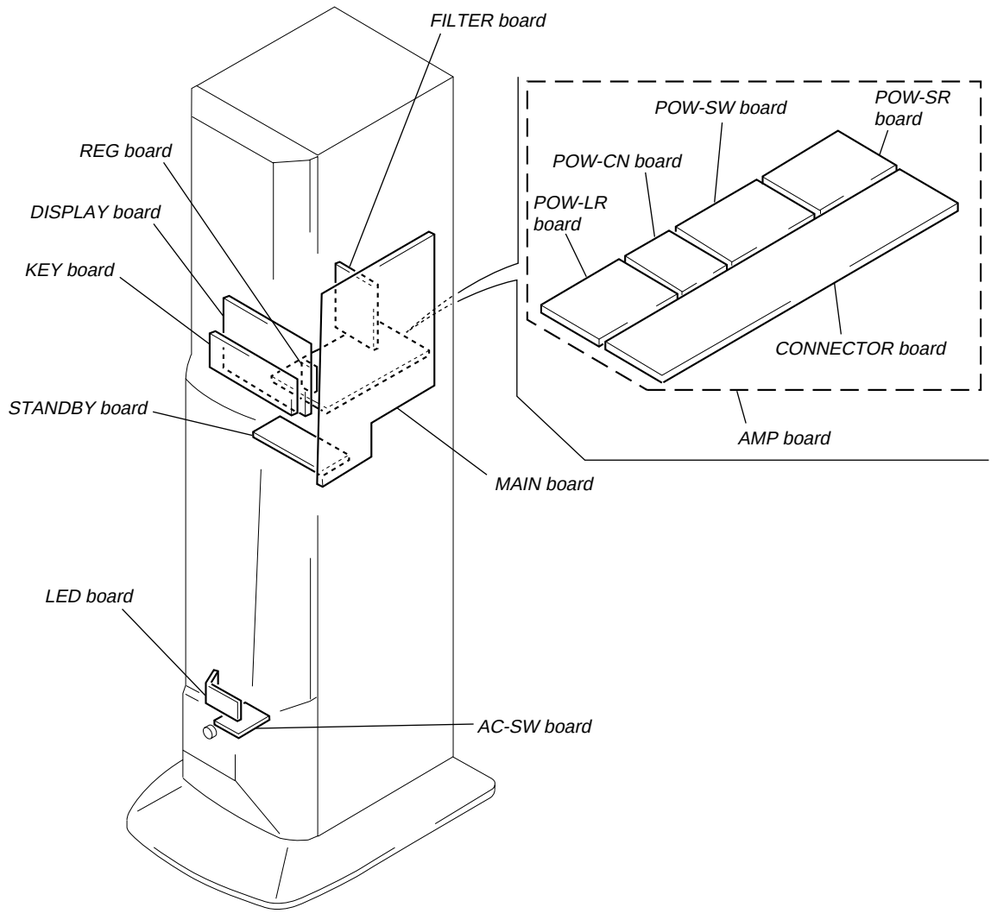


Note on Schematic Diagram:
- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- B+ : B+ Line.
- B− : B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : AUDIO
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : AUDIO
- Abbreviation
  CND : Canadian model

- **Circuit Boards Location**

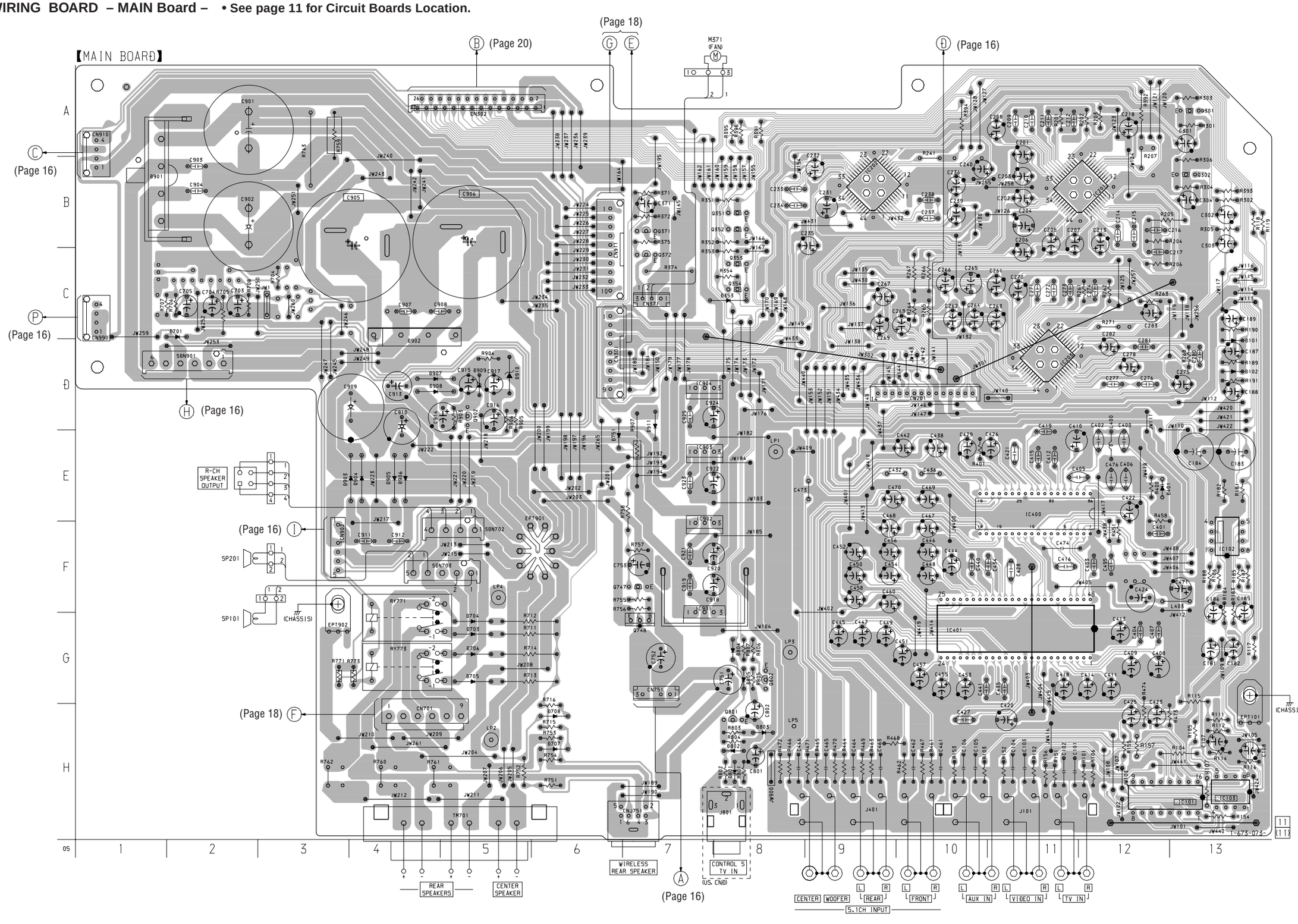


– L-ch speaker section –

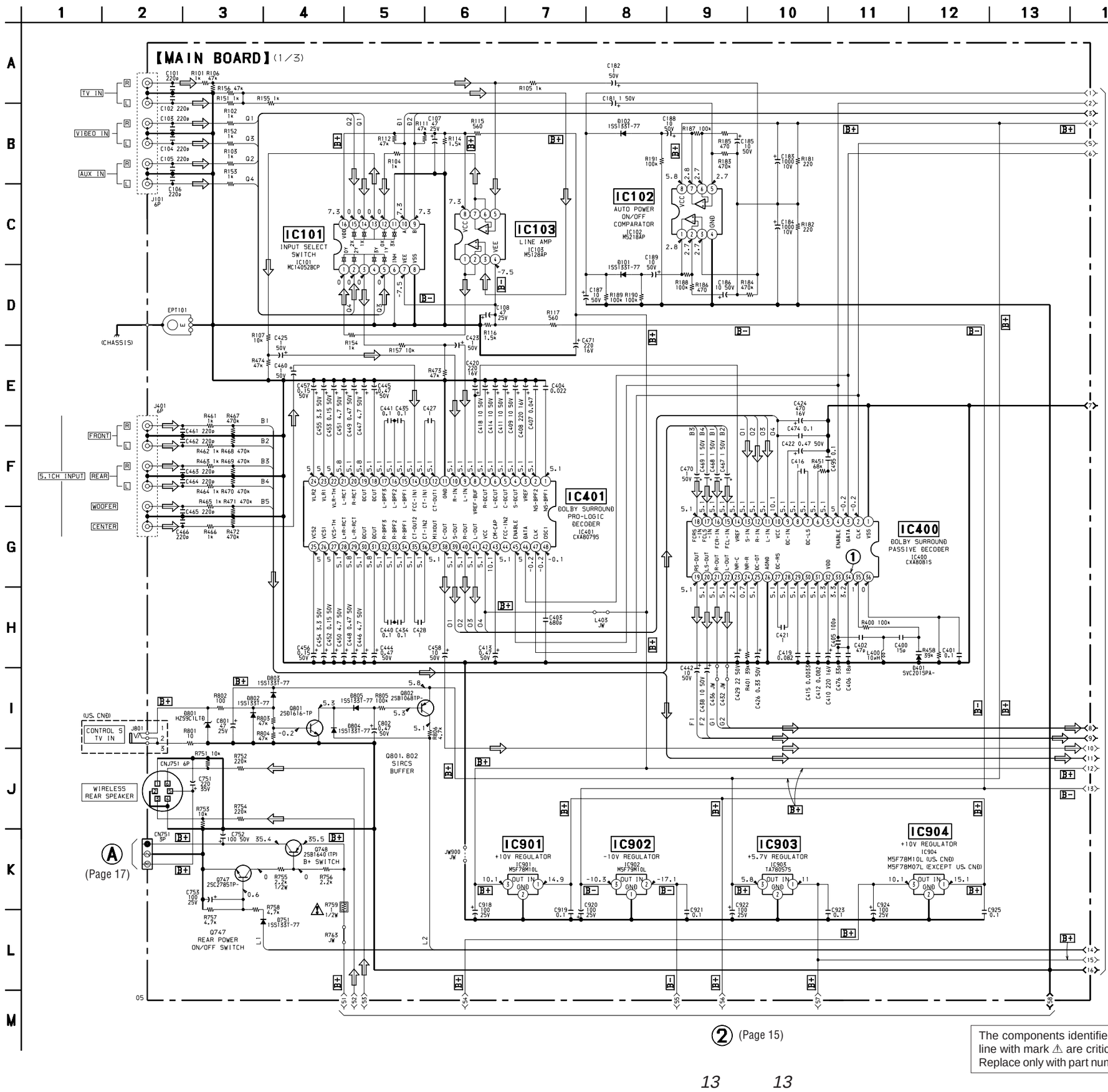
5-2. PRINTED WIRING BOARD – MAIN Board – • See page 11 for Circuit Boards Location.

- **Semiconductor Location**

Ref. No.	Location
D101	D-13
D102	D-13
D353	C-8
D401	E-12
D701	C-2
D703	G-5
D704	G-5
D705	G-5
D706	G-5
D707	H-6
D708	H-6
D751	E-6
D801	H-8
D802	H-8
D803	H-8
D804	G-8
D805	G-8
D901	B-1
D902	C-4
D903	E-4
D904	E-4
D905	E-4
D906	E-4
D907	D-4
D908	D-4
D909	D-5
D910	D-5
D911	D-7
IC101	H-12
IC102	F-13
IC103	H-13
IC201	B-12
IC202	B-9
IC203	D-11
IC400	E-11
IC401	G-11
IC701	C-2
IC901	G-7
IC902	F-7
IC903	E-7
IC904	D-7
Q301	A-13
Q302	B-13
Q351	B-8
Q352	B-8
Q353	C-8
Q354	C-8
Q371	B-7
Q372	C-7
Q747	F-7
Q748	G-7
Q801	H-8
Q802	G-8
Q902	D-5

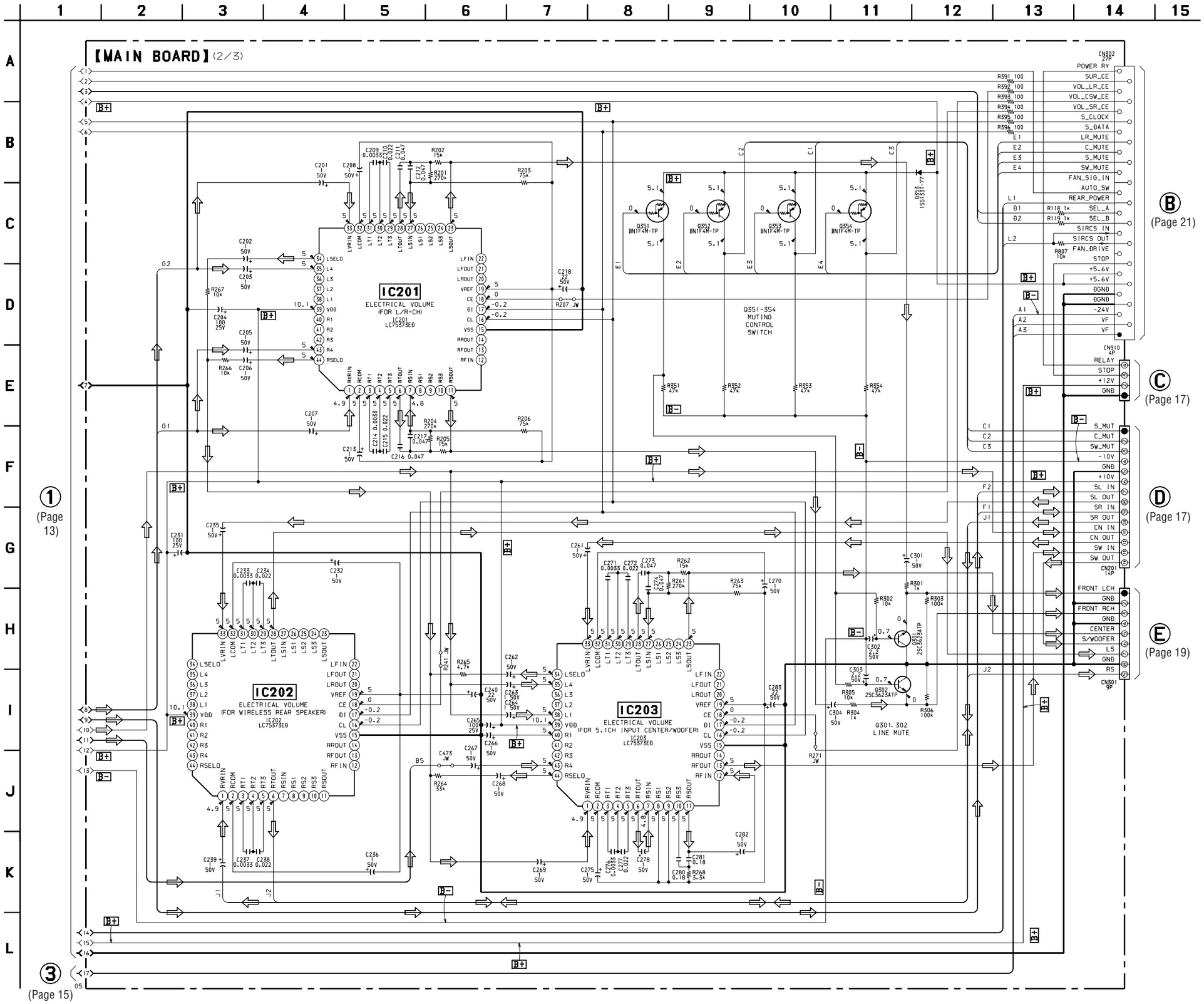


5-3. SCHEMATIC DIAGRAM – MAIN Board (1/3) – • See page 22 for Waveform. • See page 22 for IC Block Diagrams.

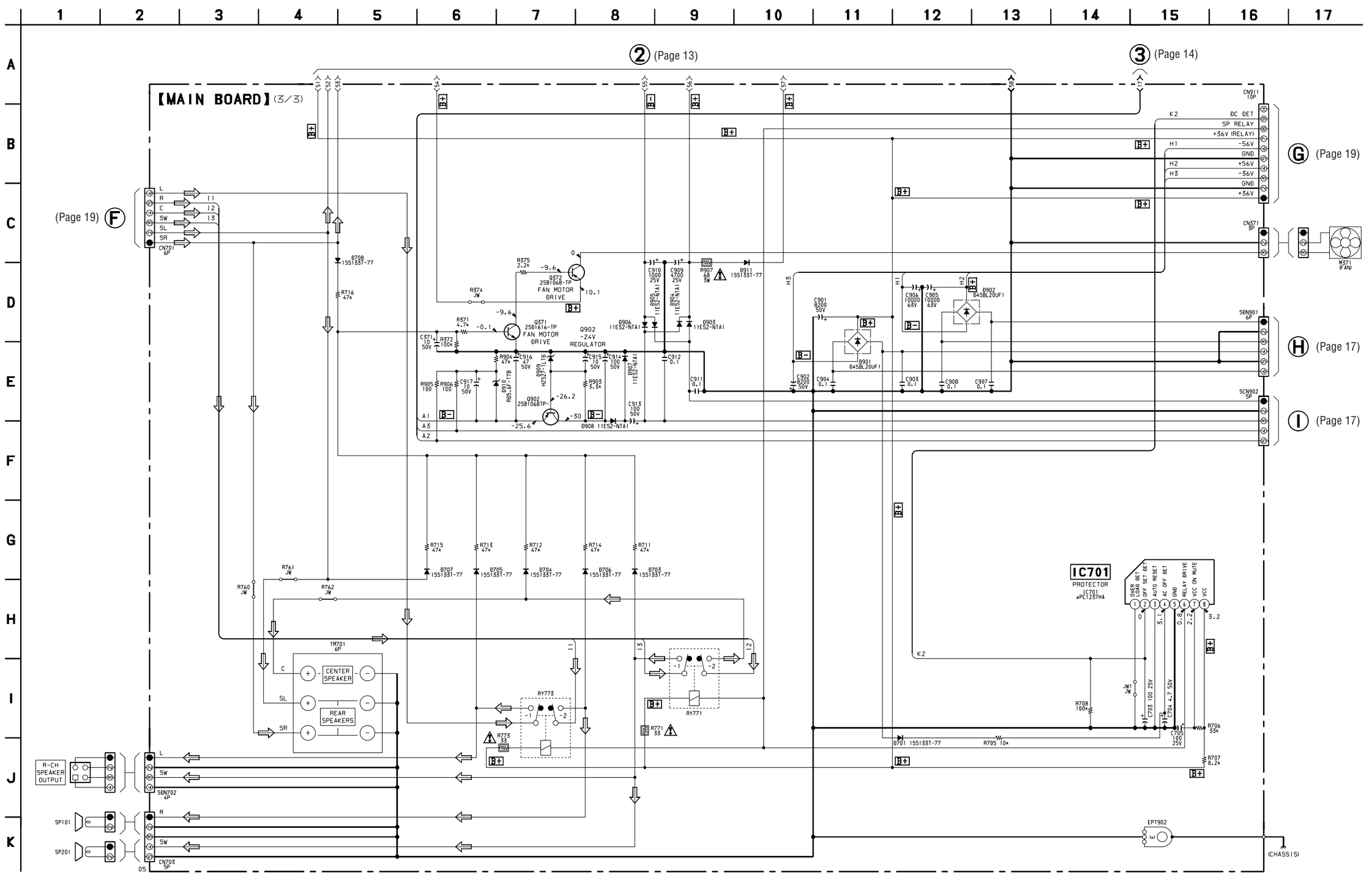


The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

5-4. SCHEMATIC DIAGRAM – MAIN Board (2/3) – • See page 22 for IC Block Diagrams.



5-5. SCHEMATIC DIAGRAM – MAIN Board (3/3) – • See page 23 for IC Block Diagrams.

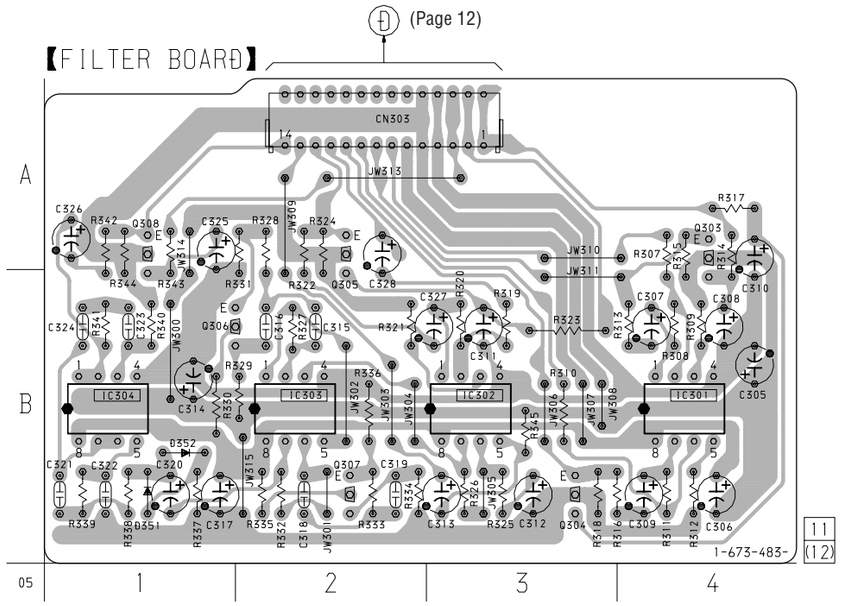


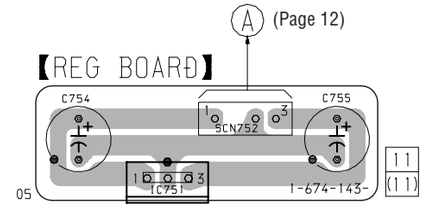
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

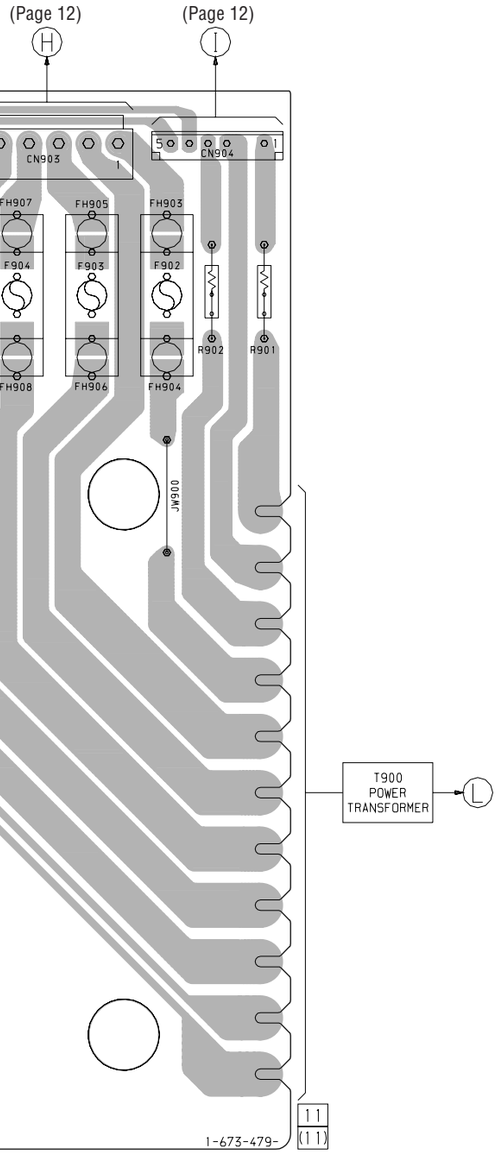
5-6. PRINTED WIRING BOARDS – FILTER/REG/T2/T1/STANDBY/AC-SW Boards – • See page 11 for Circuit Boards Location.

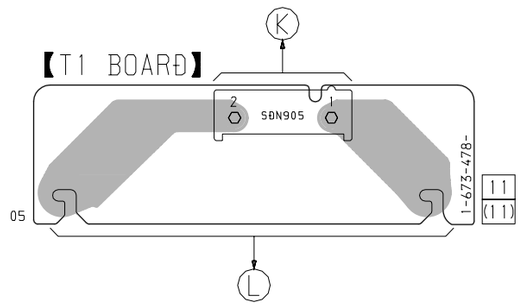
- **Semiconductor Location – FILTER Board –**

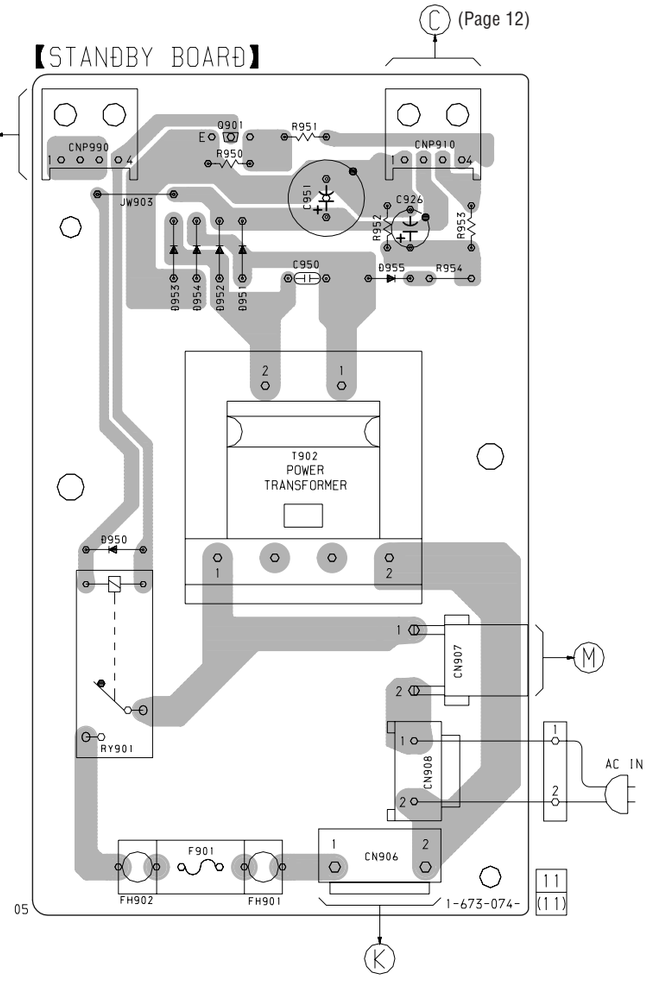
Ref. No.	Location
D351	B-1
D352	B-1
IC301	B-4
IC302	B-3
IC303	B-2
IC304	B-1
Q303	A-4
Q304	B-3
Q305	A-2
Q306	B-1
Q307	B-2
Q308	A-1

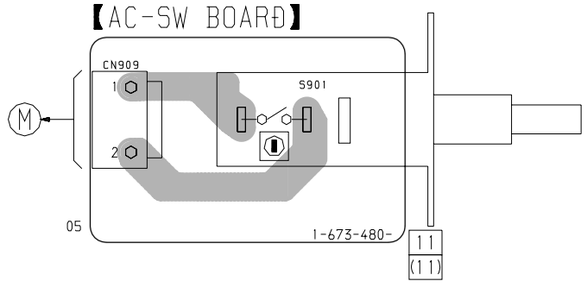




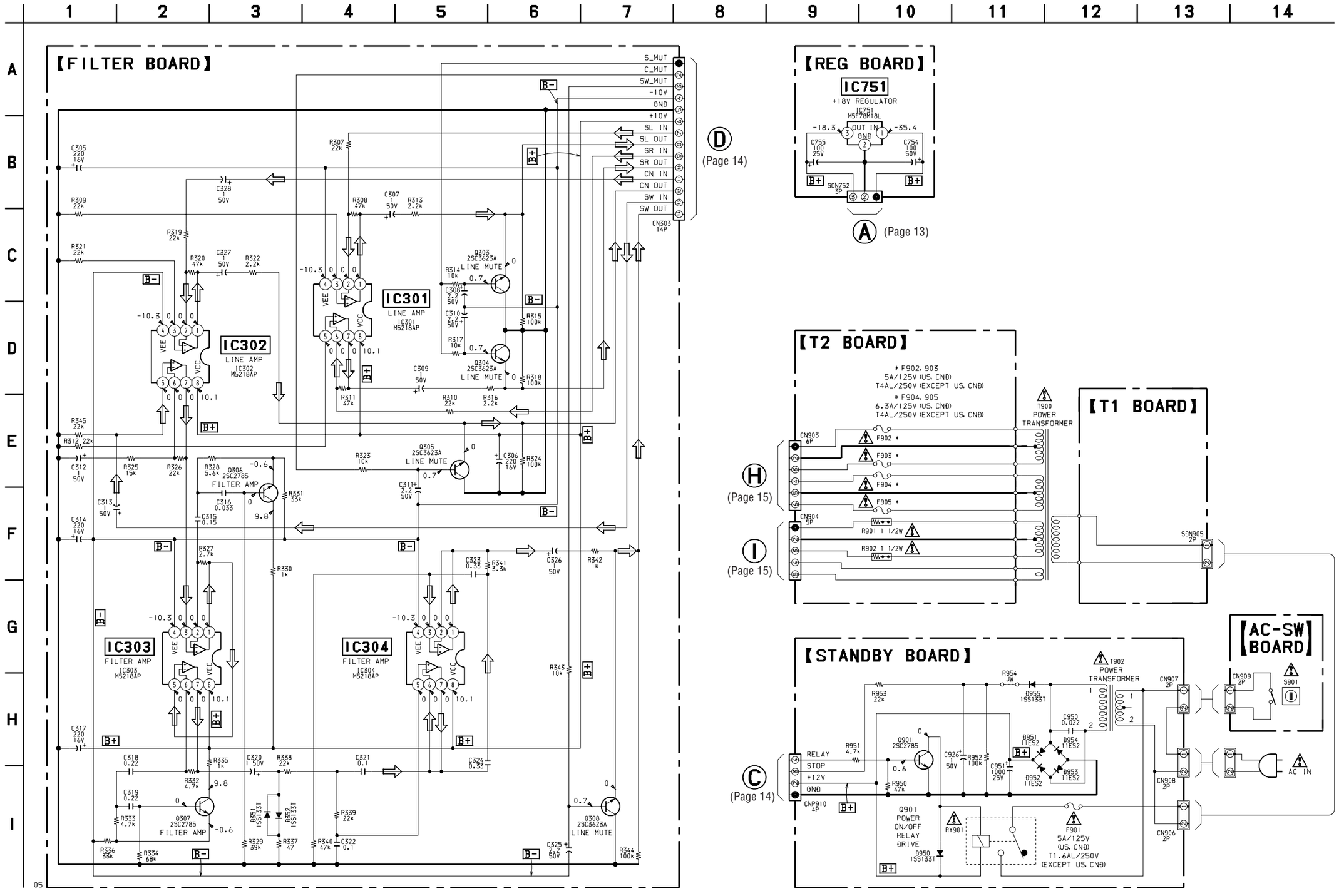






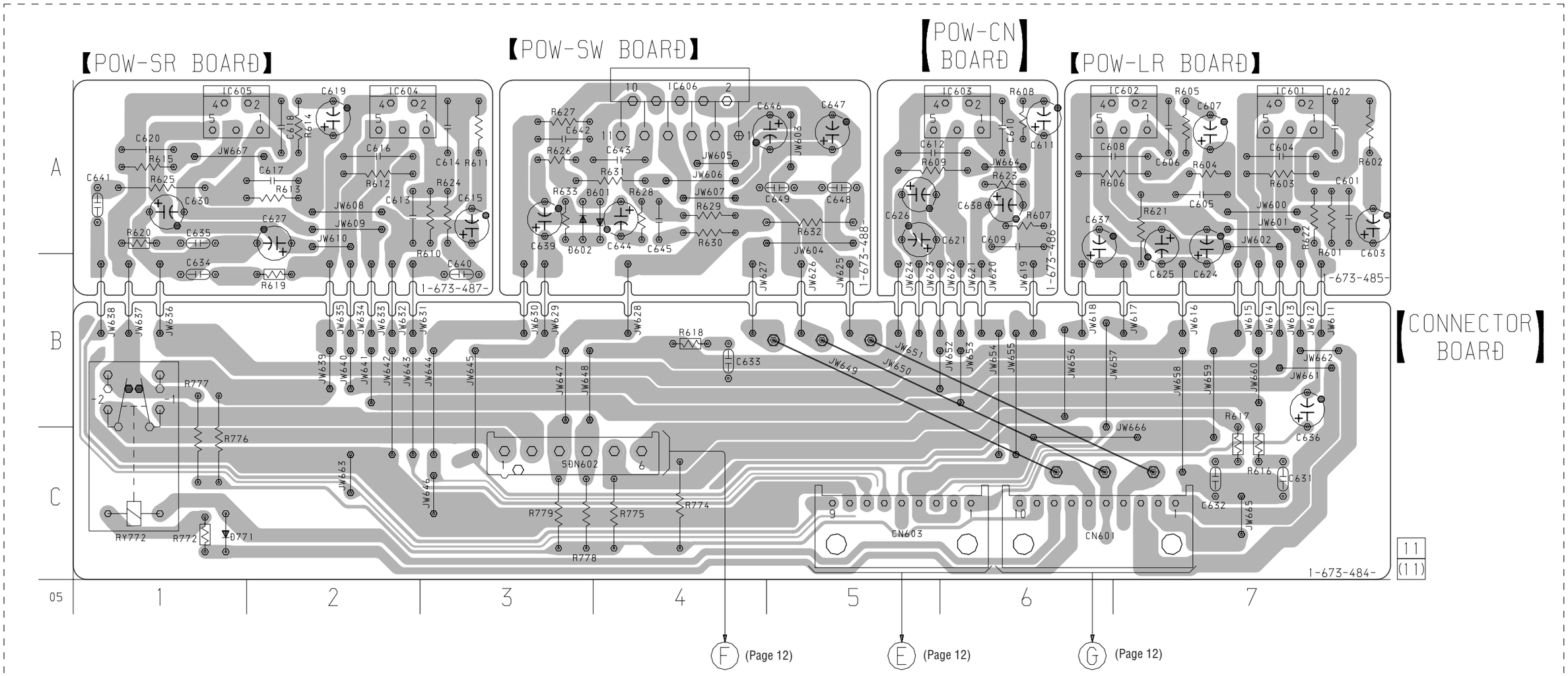


5-7. SCHEMATIC DIAGRAM – FILTER/REG/T2/T1/STANDBY/AC-SW Boards –



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

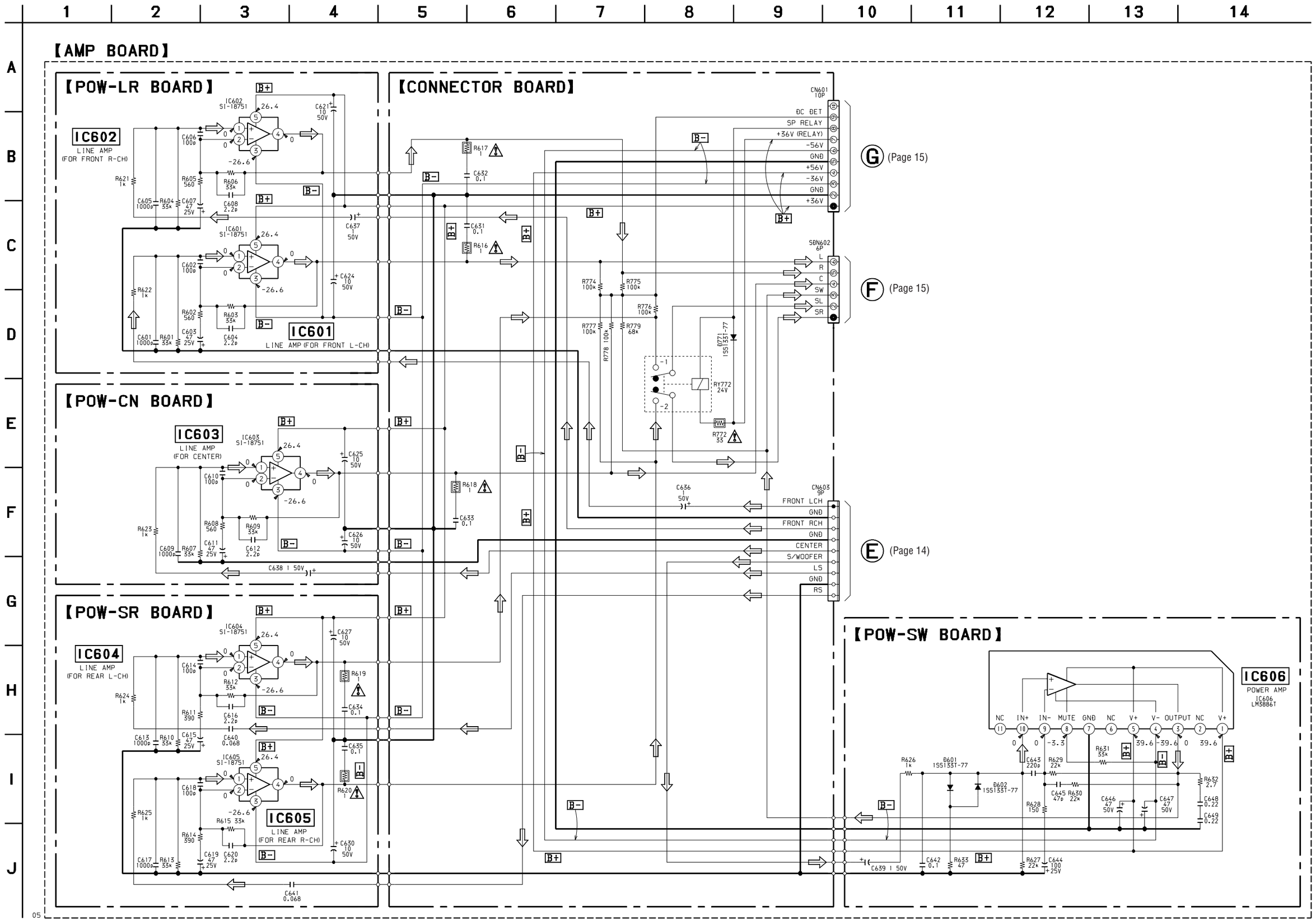
5-8. PRINTED WIRING BOARD – AMP (POW-SR/POW-SW/POW-CN/POW-LR/CONNECTOR) Board – • See page 11 for Circuit Boards Location.



- **Semiconductor Location**

Ref. No.	Location
D601	A-4
D602	A-3
D771	C-1
IC601	A-7
IC602	A-7
IC603	A-6
IC604	A-2
IC605	A-1
IC606	A-4

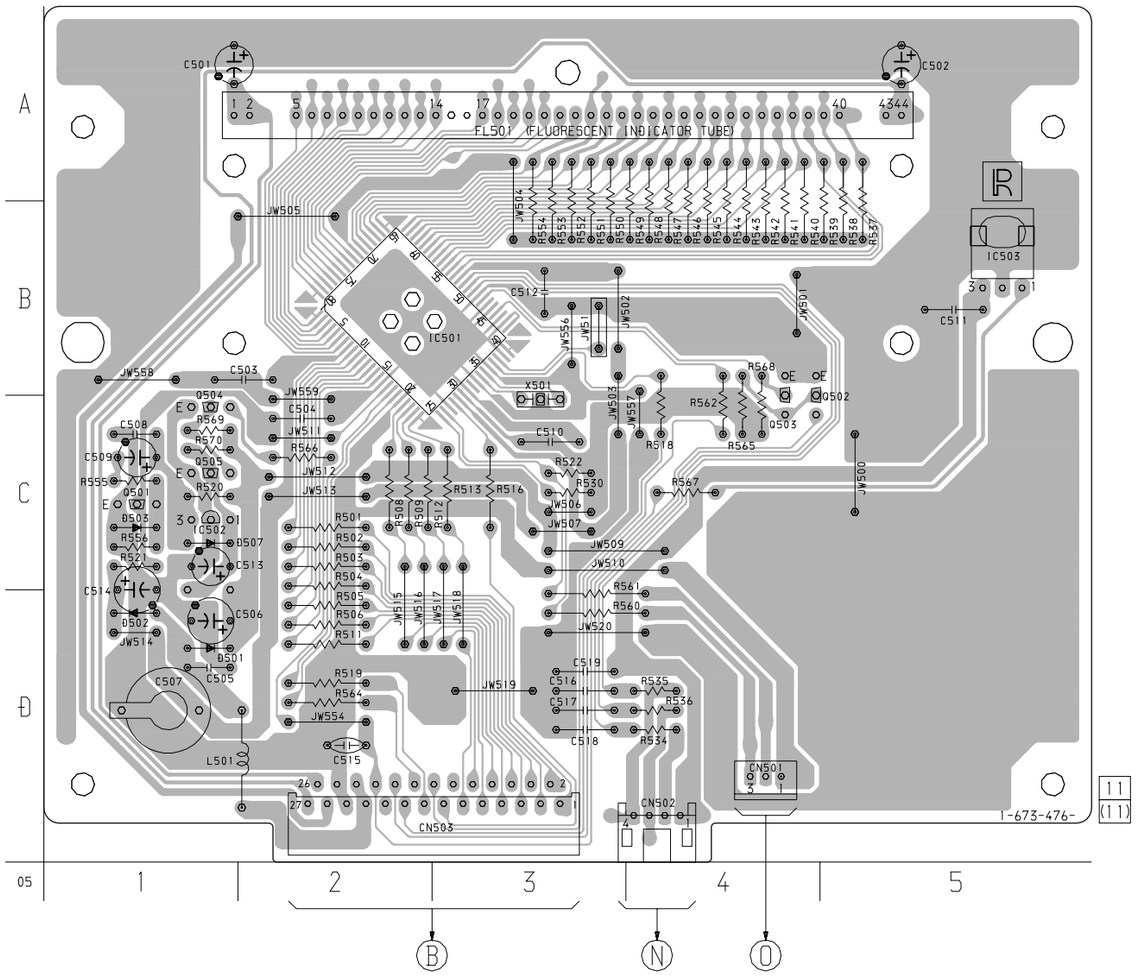
5-9. SCHEMATIC DIAGRAM – AMP (POW-SR/POW-SW/POW-CN/POW-LR/CONNECTOR) Board –



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

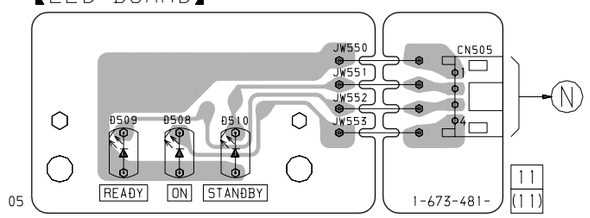
5-10. PRINTED WIRING BOARDS – DISPLAY/LED/KEY Boards – • See page 11 for Circuit Boards Location.

【DISPLAY BOARD】

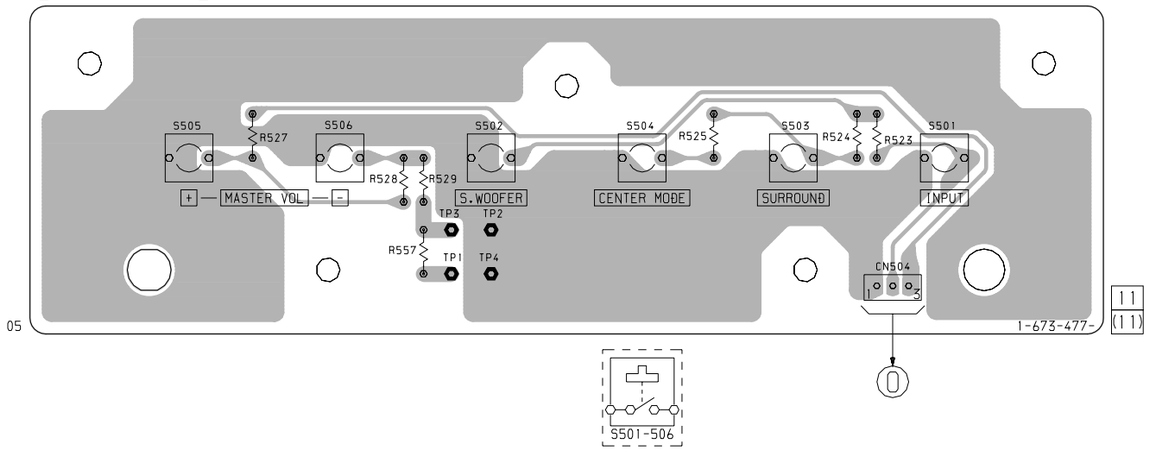


(Page 12)

【LED BOARD】



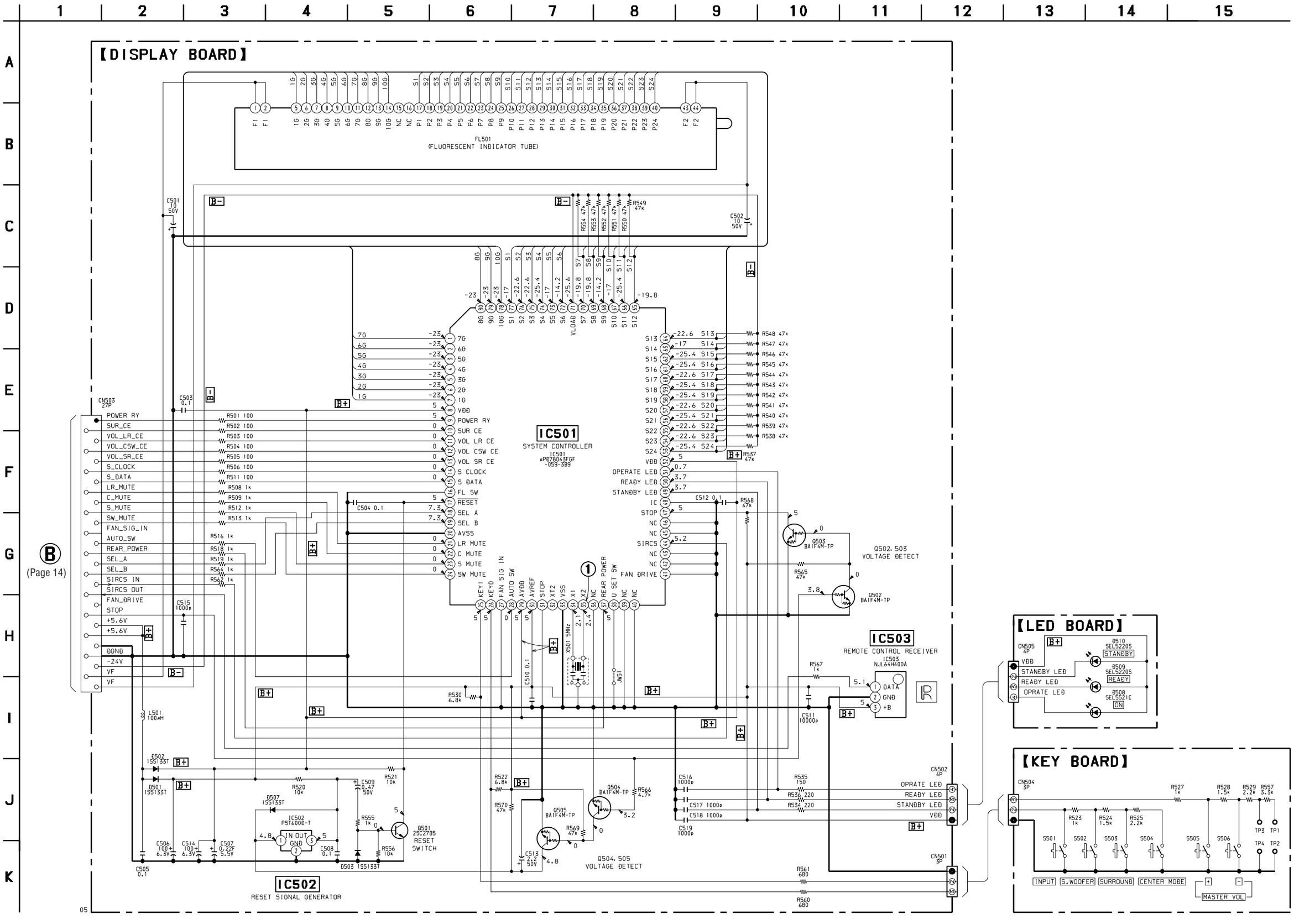
【KEY BOARD】



- **Semiconductor Location –DISPLAY Board –**

Ref. No.	Location
D501	D-1
D502	D-1
D503	C-1
D507	C-1
IC501	B-2
IC502	C-1
IC503	B-5
Q501	C-1
Q502	C-4
Q503	C-4
Q504	C-1
Q505	C-1

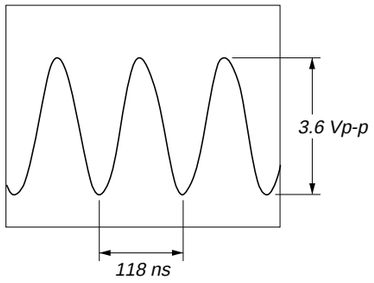
5-11. SCHEMATIC DIAGRAM – DISPLAY/LED/KEY Boards – **• See page 22 for Waveform.**



• Waveforms

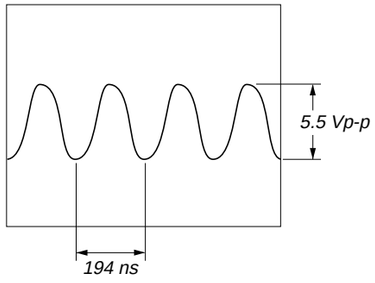
– MAIN Board –

❶ IC400 ㉞ (OSC)



– DISPLAY Board –

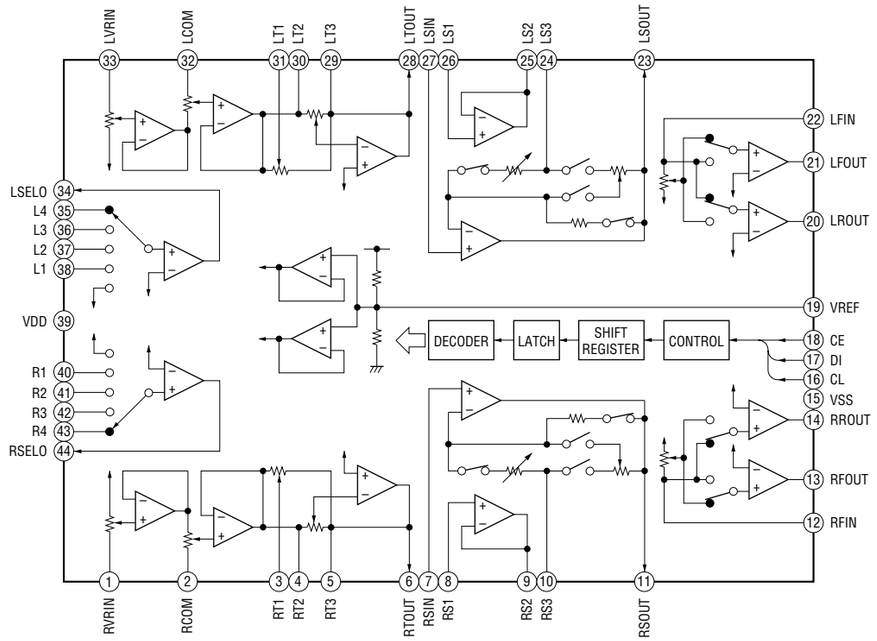
❶ IC501 ㉟ (X2)



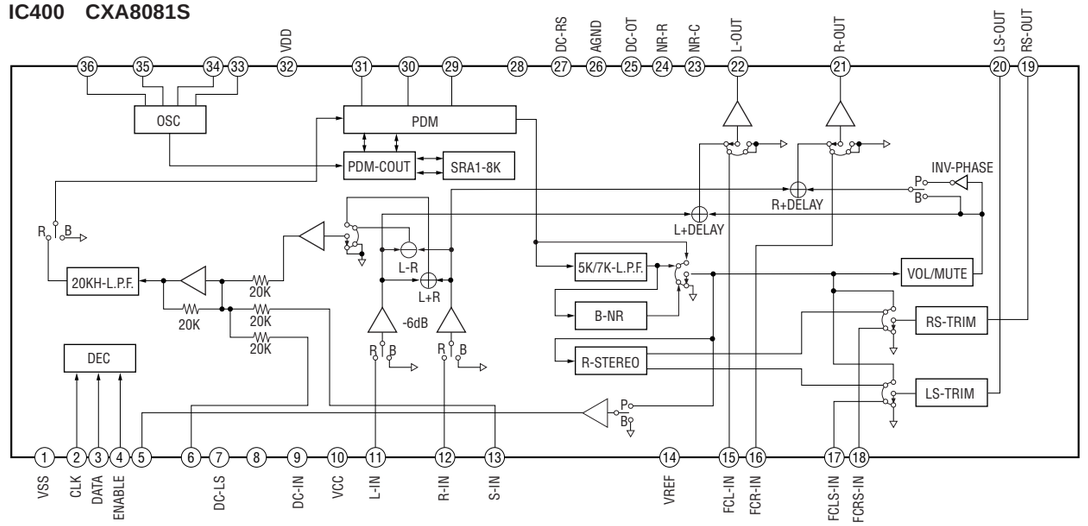
• IC Block Diagrams

– MAIN Board –

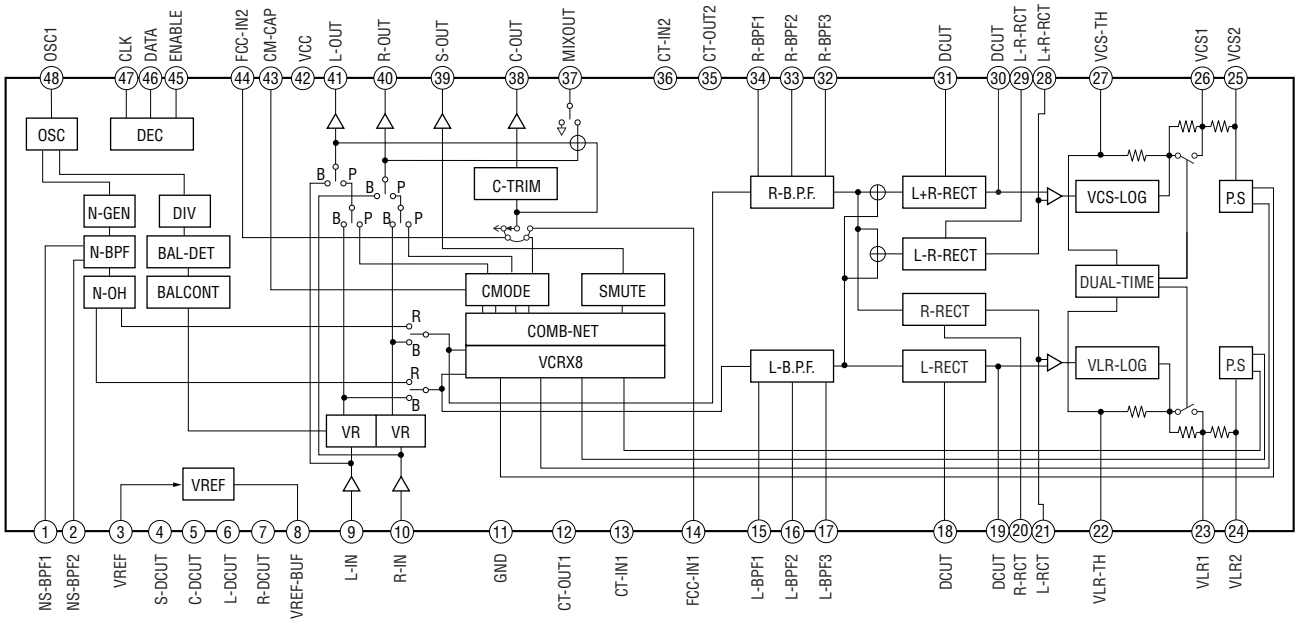
IC201 – 203 LC75373ED



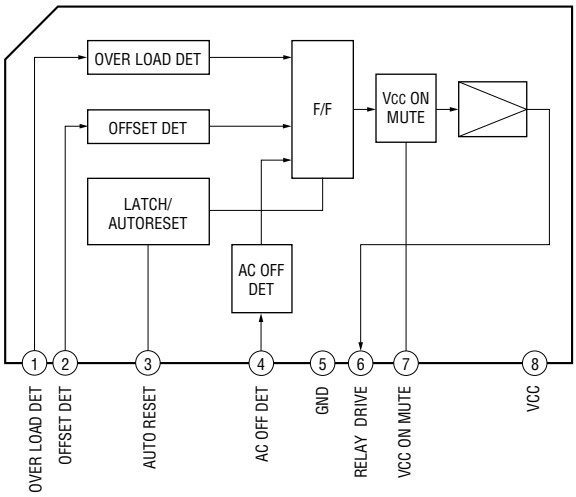
IC400 CXA8081S



IC401 CXA8079S



IC701 µPC1237HA



5-12. IC PIN FUNCTION DESCRIPTION

• DISPLAY BOARD IC501 μPD78043FGF-059-3B9 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1 to 7	7G to 1G	O	Gird drive signal output to the fluorescent indicator tube (FL501)
8	VDD	—	Power supply terminal (+5V)
9	POWER RY	O	Relay drive signal output for the power on/off control "H": relay on (power on)
10	SUR CE	O	Serial chip enable signal output to the dolby surround pro-logic circuit (IC400, 401) "H" active
11	VOL LR CE	O	Serial chip enable signal output to the LC75373ED (IC201) (for L/R-ch signal) "H" active
12	VOL CSW CE	O	Serial chip enable signal output to the LC75373ED (IC203) (for 5.1ch input center/woofer signal) "H" active
13	VOL SR CE	O	Serial chip enable signal output to the LC75373ED (IC202) (for wireless rear speaker signal) "H" active
14	S CLOCK	O	Serial data transfer clock signal output to the dolby surround pro-logic circuit (IC400, 401) and LC75373ED (IC201 to IC203)
15	S DATA	O	Serial data output to the dolby surround pro-logic circuit (IC400, 401) and LC75373ED (IC201 to IC203)
16	—	O	Not used (pull down)
17	$\overline{\text{RESET}}$	I	System reset signal input from the reset signal generator (IC502, Q501) "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it changes to "H"
18	SEL A	O	Input select signal output to the MC14052BCP (IC101) *1
19	SEL B	O	Input select signal output to the MC14052BCP (IC101) *1
20	AVSS	—	Ground terminal (for A/D converter)
21	LR MUTE	O	Line muting on/off control signal output for the front side speaker "L": muting on
22	C MUTE	O	Line muting on/off control signal output for the center side speaker "L": muting on
23	S MUTE	O	Line muting on/off control signal output for the rear side speaker "L": muting on
24	SW MUTE	O	Line muting on/off control signal output for the sub woofer speaker "L": muting on
25	KEY1	I	Key input terminal (A/D input) S501 to S504 (INPUT, S.WOOFER, SURROUND, CENTER MODE keys input)
26	KEY0	I	Key input terminal (A/D input) S505, S506 (MASTER VOL +/– keys input)
27	FAN SIG IN	I	Not used (fixed at "L")
28	AUTO SW	I	TV audio detect signal input for the auto power on/off
29	AVDD	—	Power supply terminal (+5V) (for A/D converter analog system)
30	AVREF	I	Reference voltage (+5V) input terminal (for A/D converter)
31	—	I	Not used (fixed at "L")
32	XT2	—	Not used (fixed at "L")
33	VSS	—	Ground terminal
34	X1	I	Main system clock input terminal (5 MHz)
35	X2	O	Main system clock output terminal (5 MHz)
36	—	O	Not used (pull down)
37	REAR POWER	O	Power on/off control signal output for the wireless rear speaker "H": power on
38	U SET SW	I	Setting terminal for the model Fixed at "L" in this set
39, 40	—	O	Not used (pull down)
41	FAN DRIVE	O	Not used (pull down)

*1 Input select control

Function / Terminal	TV	VIDEO	AUX	OFF
SEL A (pin ⑱)	"L"	"H"	"L"	"H"
SEL B (pin ⑲)	"L"	"L"	"H"	"H"

Pin No.	Pin Name	I/O	Description
42, 43	—	O	Not used (pull down)
44	SIRCS	I	Sircs remote control signal input from the remote control receiver (IC503) and CONTROL S TV IN (CONTROL S TV IN: used for the US, Canadian models)
45, 46	—	O	Not used (pull down)
47	STOP	I	Power down detection signal input terminal "L": power down, normally : "H"
48	IC	—	Internal connection terminal (connected to ground)
49	STANDBY LED	O	LED drive signal output of the STANDBY (D510) indicator "L": LED on
50	READY LED	O	LED drive signal output of the READY (D509) indicator "L": LED on
51	OPERATE LED	O	LED drive signal output of the ON (D508) indicator "L": LED on
52	VDD	—	Power supply terminal (+5V)
53 to 70	S24 to S7	O	Segment drive signal output to the fluorescent indicator tube (FL501)
71	VLOAD	—	Negative power supply terminal for the fluorescent indicator tube drive (–24V)
72 to 77	S6 to S1	O	Segment drive signal output to the fluorescent indicator tube (FL501)
78 to 80	10G to 8G	O	Gird drive signal output to the fluorescent indicator tube (FL501)

SECTION 6
EXPLODED VIEWS

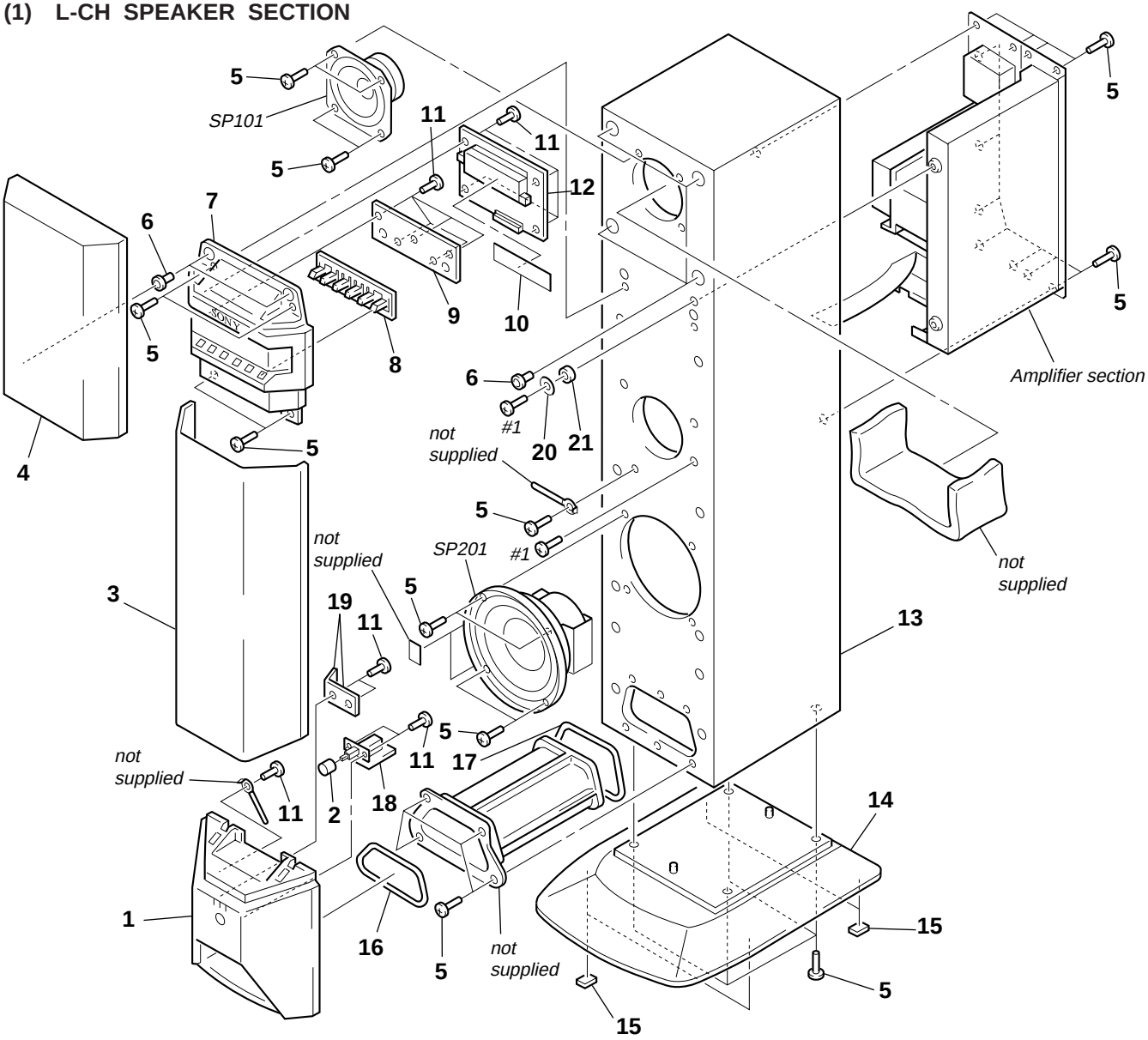
NOTE:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Abbreviation
  CND : Canadian model

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

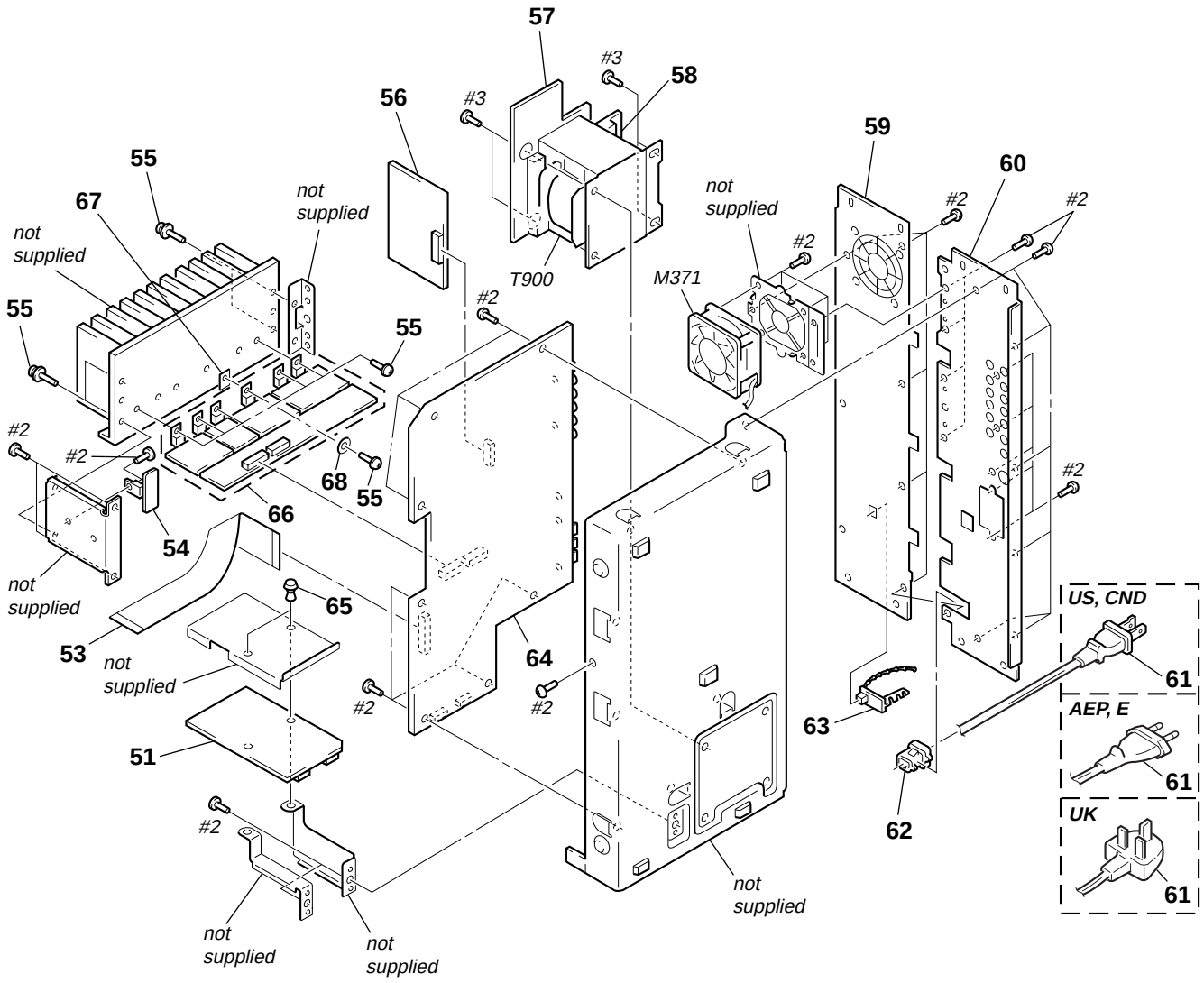
Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

(1) L-CH SPEAKER SECTION



Ref. No.	Part No.	Description	Remark
1	X-4951-257-1	PANEL (L) ASSY, DUCT	
2	4-217-245-01	BUTTON (POWER)	
3	X-4951-172-1	FRAME (B) ASSY, GRILLE	
4	X-4951-171-1	FRAME (A) ASSY, GRILLE	
5	4-914-430-11	SCREW (4X20), TAPPING	
6	4-951-733-01	CATCHER	
7	X-4951-169-1	PANEL (L) ASSY, DISPLAY	
8	4-217-241-01	BUTTON (DSP)	
9	1-673-477-11	KEY BOARD	
10	4-217-606-01	FILTER	
11	4-951-620-01	SCREW (2.6X8), +BVTP	
12	A-4419-447-A	DISPLAY BOARD, COMP;LETE	
13	A-4411-490-A	CABINET (L) ASSY, SPEAKER	
14	4-217-262-01	BASE	
15	4-967-287-01	CUSHION (A)	
16	4-218-228-01	PACKING (B)	
17	4-218-227-01	PACKING (A)	
18	1-673-480-11	AC-SW BOARD	
19	1-673-481-11	LED BOARD	
20	4-222-862-01	WASHER (BF)	
21	4-222-979-01	WASHER (S)	
SP101	1-529-221-11	SPEAKER (10cm)	
SP201	1-529-223-11	SPEAKER (16cm)	

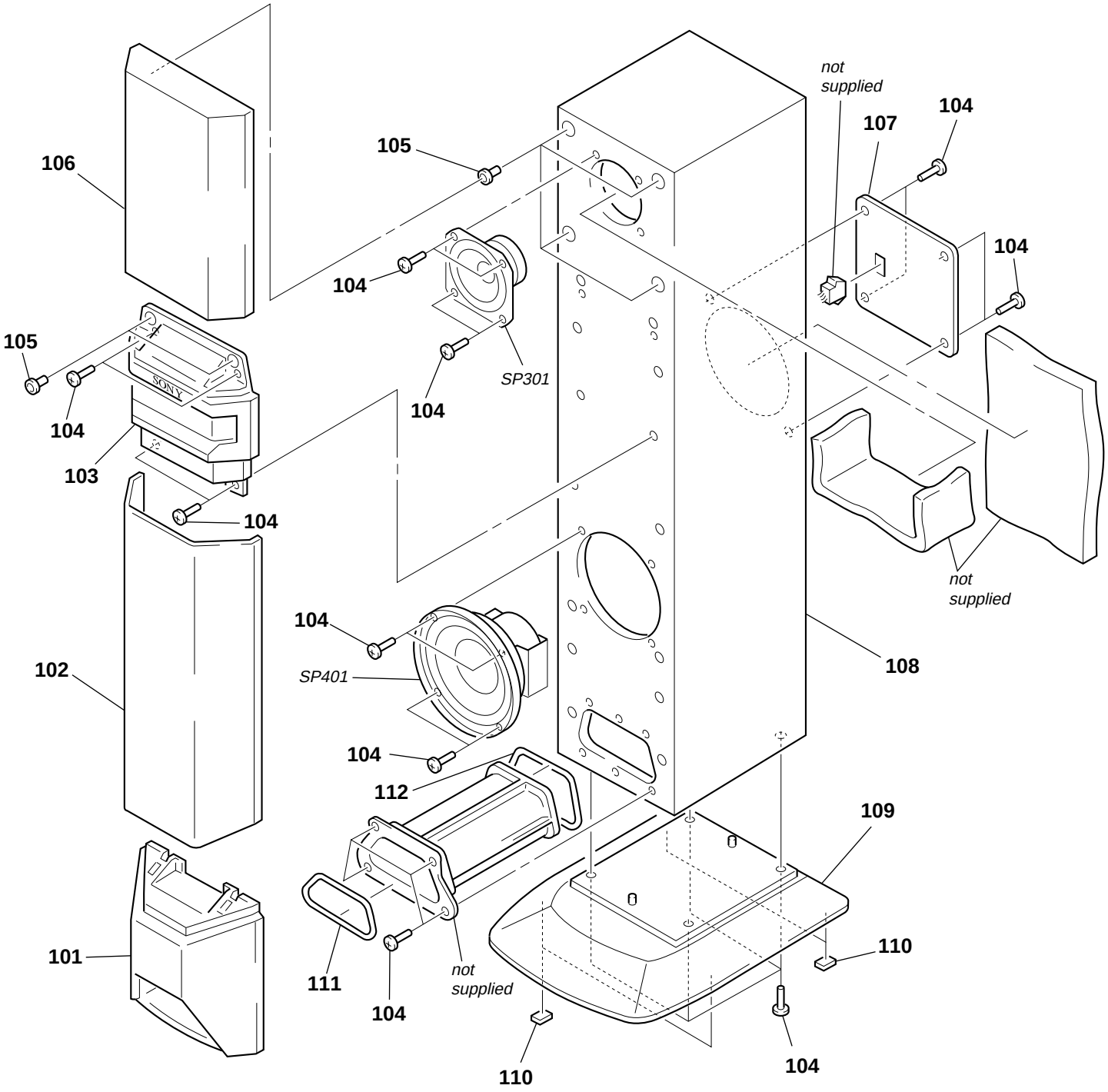
(2) AMPLIFIER SECTION



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
51	1-673-074-11	STANDBY BOARD	
53	1-773-256-11	WIRE (FLAT TYPE) (27 CORE)	
54	1-674-143-11	REG BOARD	
55	3-905-609-01	SCREW (TRANSISTOR)	
56	A-4419-453-A	FILTER BOARD, COMPLETE	
57	1-673-479-11	T2 BOARD	
58	1-673-478-11	T1 BOARD	
59	4-217-252-31	PANEL (L/B), BACK (US)	
59	4-217-252-41	PANEL (L/B), BACK (CND)	
59	4-217-252-51	PANEL (L/B), BACK (EXCEPT US, CND)	
60	4-217-251-21	PANEL (L/A), BACK (US, CND)	
60	4-217-251-31	PANEL (L/A), BACK (AEP, E)	
60	4-217-251-51	PANEL (L/A), BACK (UK)	
⚠61	1-575-042-21	CORD, POWER (CND)	
⚠61	1-575-651-21	CORD, POWER (AEP, E)	
⚠61	1-751-529-11	CORD, POWER (UK)	
⚠61	1-783-531-31	CORD, POWER (US)	
* 62	3-703-244-00	BUSHING (2104), CORD	
63	4-956-370-12	BAND, PLUG FIXED	
64	A-4419-445-A	MAIN BOARD, COMPLETE (US, CND)	
64	A-4419-455-A	MAIN BOARD, COMPLETE (EXCEPT US, CND)	
65	4-812-134-11	RIVET (DIA. 3.5), NYLON	
66	A-4419-454-A	AMP BOARD, COMPLETE	
67	4-219-640-01	SPACER, INSULATING	
68	4-220-465-01	WASHER, INSULATING	
M371	1-698-792-11	FAN, DC	
⚠T900	1-433-759-11	TRANSFORMER, POWER (US, CND)	
⚠T900	1-433-760-11	TRANSFORMER, POWER (EXCEPT US, CND)	

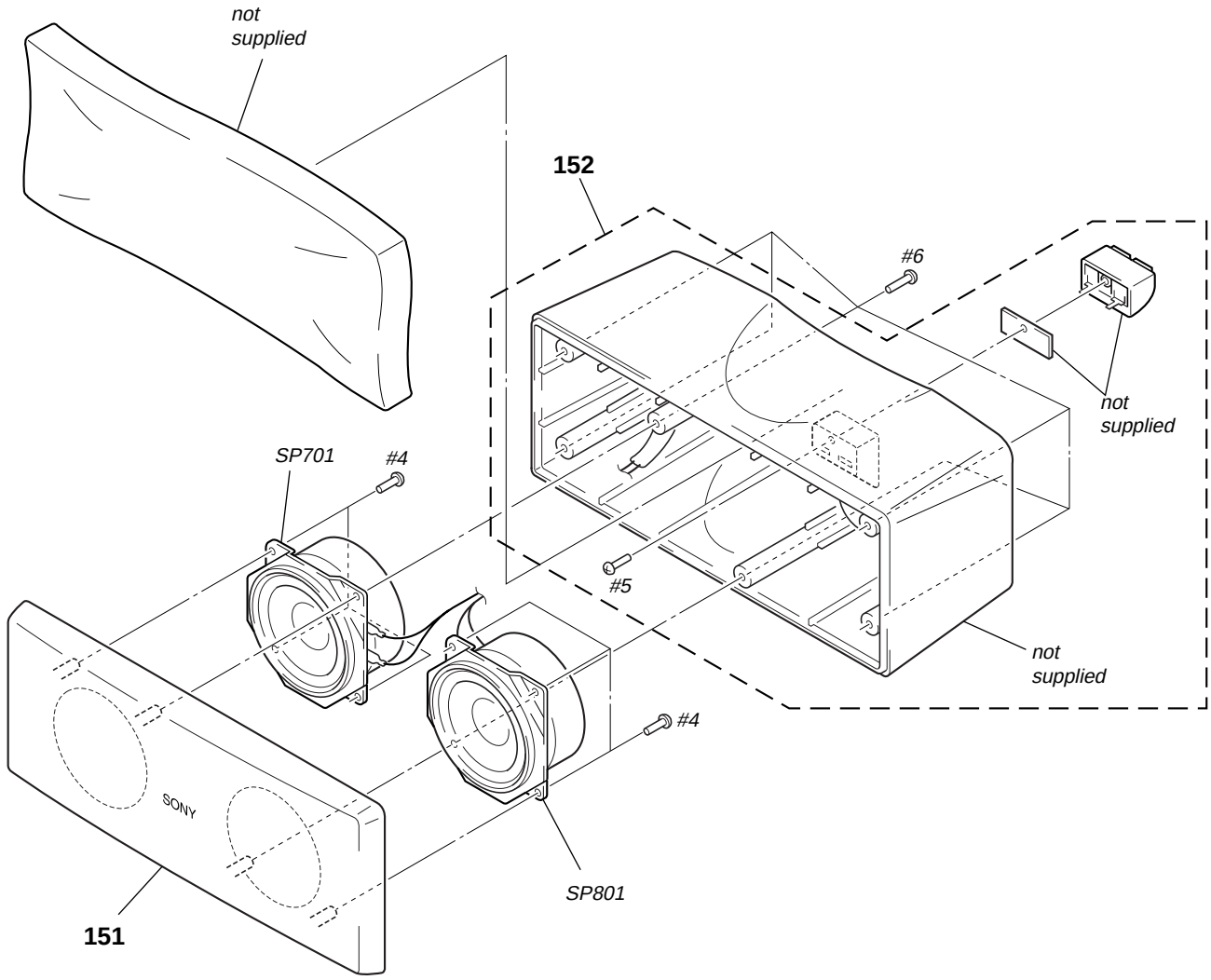
(3) R-CH SPEAKER SECTION



Ref. No.	Part No.	Description	Remark
101	4-217-264-01	PANEL (R), DUCT	
102	X-4951-172-1	FRAME (B) ASSY, GRILLE	
103	X-4951-258-1	PANEL (R) ASSY, DISPLAY	
104	4-914-430-11	SCREW (4X20), TAPPING	
105	4-951-733-01	CATCHER	
106	X-4951-171-1	FRAME (A) ASSY, GRILLE	
107	4-217-253-11	PANEL (R), BACK	

Ref. No.	Part No.	Description	Remark
108	A-4411-493-A	CABINET (R) ASSY, SPEAKER	
109	4-217-262-01	BASE	
110	4-967-287-01	CUSHION (A)	
111	4-218-228-01	PACKING (B)	
112	4-218-227-01	PACKING (A)	
SP301	1-529-221-11	SPEAKER (10cm)	
SP401	1-529-223-11	SPEAKER (16cm)	

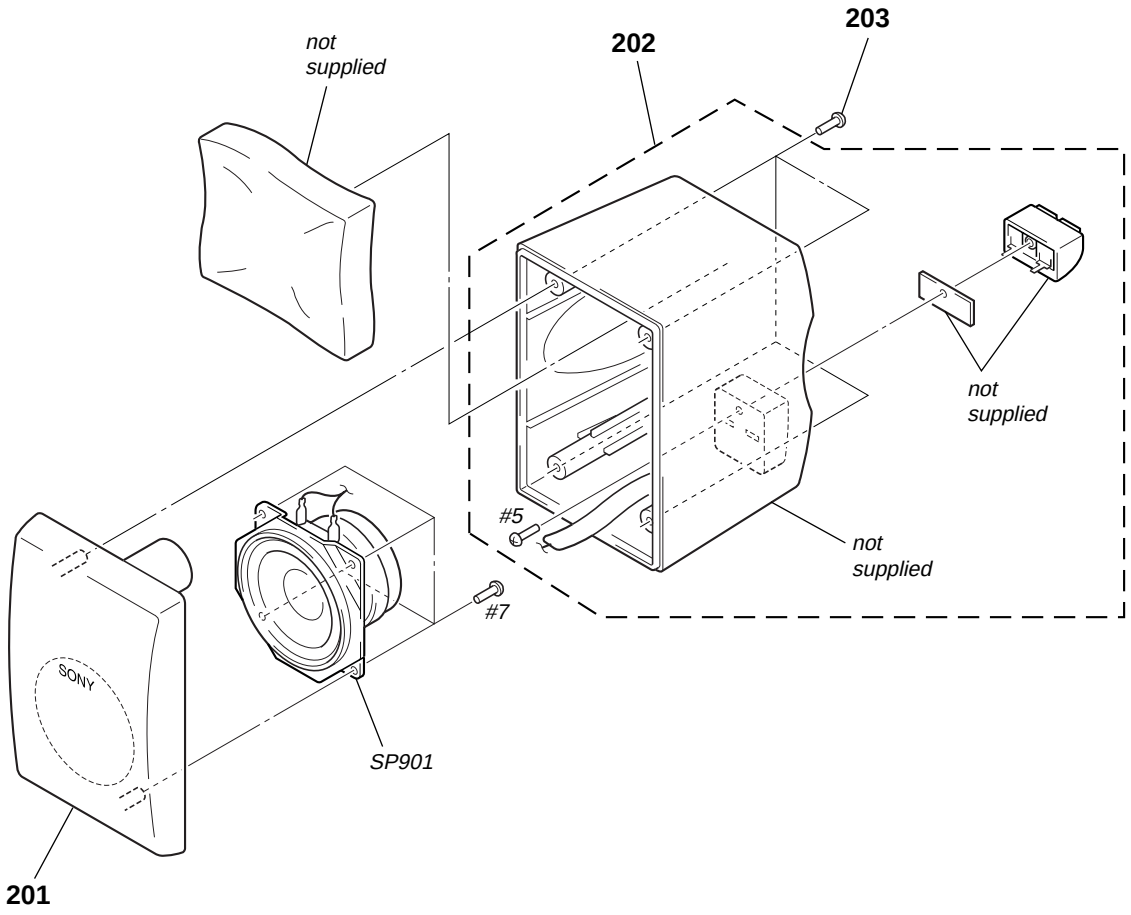
(4) CENTER SPEAKER SECTION (SS-CN16)



Ref. No.	Part No.	Description	Remark
151	X-4951-250-1	PANEL ASSY, FRONT	
152	X-4951-249-1	CABINET ASSY, SPEAKER	

Ref. No.	Part No.	Description	Remark
SP701	1-529-222-11	SPEAKER (8cm)	
SP801	1-529-222-11	SPEAKER (8cm)	

(5) REAR SPEAKER SECTION (SS-SR16)



Ref. No.	Part No.	Description	Remark
201	X-4951-248-1	PANEL ASSY, FRONT	
202	X-4951-247-1	CABINET ASSY, SPEAKER	
203	4-929-125-01	SCREW (M4X16), TAPPING	
SP901	1-529-281-11	SPEAKER (8cm)	

SECTION 7
ELECTRICAL PARTS LIST

AC-SW | **AMP**
CONNECTOR/POW-CN/POW-LR/POW-SR/POW-SW

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Abbreviation
  CND : Canadian model
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- CAPACITORS
  uF: µF
- COILS
  uH: µH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
	1-673-480-11	AC-SW BOARD			
		**********			
		< CONNECTOR >			
CN909	1-564-321-00	PIN, CONNECTOR 2P			
		< SWITCH >			
⚠S901	1-554-920-61	SWITCH, PUSH (AC POWER) (1 KEY) (①)			
**********					
	A-4419-454-A	AMP BOARD, COMPLETE			
		**********			
		CONNECTOR BOARD			
		**********			
		POW-CN BOARD			
		**********			
		POW-LR BOARD			
		**********			
		POW-SR BOARD			
		**********			
		POW-SW BOARD			
		**********			
		< CAPACITOR >			
C601	1-162-294-31	CERAMIC	0.001uF	10%	50V
C602	1-162-282-31	CERAMIC	100PF	10%	50V
C603	1-104-664-11	ELECT	47uF	20%	25V
C604	1-162-191-31	CERAMIC	2.2PF	10%	50V
C605	1-162-294-31	CERAMIC	0.001uF	10%	50V
C606	1-162-282-31	CERAMIC	100PF	10%	50V
C607	1-104-664-11	ELECT	47uF	20%	25V
C608	1-162-191-31	CERAMIC	2.2PF	10%	50V
C609	1-162-294-31	CERAMIC	0.001uF	10%	50V
C610	1-162-282-31	CERAMIC	100PF	10%	50V
C611	1-104-664-11	ELECT	47uF	20%	25V
C612	1-162-191-31	CERAMIC	2.2PF	10%	50V
C613	1-162-294-31	CERAMIC	0.001uF	10%	50V
C614	1-162-282-31	CERAMIC	100PF	10%	50V
C615	1-104-664-11	ELECT	47uF	20%	25V
C616	1-162-191-31	CERAMIC	2.2PF	10%	50V
C617	1-162-294-31	CERAMIC	0.001uF	10%	50V
C618	1-162-282-31	CERAMIC	100PF	10%	50V
C619	1-104-664-11	ELECT	47uF	20%	25V
C620	1-162-191-31	CERAMIC	2.2PF	10%	50V
C621	1-126-964-11	ELECT	10uF	20%	50V
C624	1-126-964-11	ELECT	10uF	20%	50V
C625	1-126-964-11	ELECT	10uF	20%	50V
C626	1-126-964-11	ELECT	10uF	20%	50V
C627	1-126-964-11	ELECT	10uF	20%	50V
C630	1-126-964-11	ELECT	10uF	20%	50V
C631	1-136-165-00	FILM	0.1uF	5%	50V
C632	1-136-165-00	FILM	0.1uF	5%	50V
C633	1-136-165-00	FILM	0.1uF	5%	50V
C634	1-136-165-00	FILM	0.1uF	5%	50V
C635	1-136-165-00	FILM	0.1uF	5%	50V
C636	1-126-960-11	ELECT	1uF	20%	50V
C637	1-126-960-11	ELECT	1uF	20%	50V
C638	1-126-960-11	ELECT	1uF	20%	50V
C639	1-126-960-11	ELECT	1uF	20%	50V
C640	1-136-163-00	FILM	0.068uF	5%	50V
C641	1-136-163-00	FILM	0.068uF	5%	50V
C642	1-164-159-21	CERAMIC	0.1uF		50V
C643	1-162-286-21	CERAMIC	220PF	10%	50V
C644	1-104-665-11	ELECT	100uF	20%	25V
C645	1-162-215-31	CERAMIC	47PF	5%	50V
C646	1-126-967-11	ELECT	47uF	20%	50V
C647	1-126-967-11	ELECT	47uF	20%	50V
C648	1-136-169-00	FILM	0.22uF	5%	50V
C649	1-136-169-00	FILM	0.22uF	5%	50V
		< CONNECTOR >			
* CN601	1-770-729-11	CONNECTOR, BOARD TO BOARD 10P			
CN603	1-770-728-11	CONNECTOR, BOARD TO BOARD 9P			
		< DIODE >			
D601	8-719-991-33	DIODE 1SS133T-77			
D602	8-719-991-33	DIODE 1SS133T-77			
D771	8-719-991-33	DIODE 1SS133T-77			
		< IC >			
IC601	8-759-502-31	IC SI-18751			
IC602	8-759-502-31	IC SI-18751			
IC603	8-759-502-31	IC SI-18751			
IC604	8-759-502-31	IC SI-18751			
IC605	8-759-502-31	IC SI-18751			

Ref. No.	Part No.	Description				Remark
IC606	8-759-299-53	IC LM3886T				
		< RESISTOR >				
R601	1-249-435-11	CARBON	33K	5%	1/4W	
R602	1-249-414-11	CARBON	560	5%	1/4W	
R603	1-249-435-11	CARBON	33K	5%	1/4W	
R604	1-249-435-11	CARBON	33K	5%	1/4W	
R605	1-249-414-11	CARBON	560	5%	1/4W	
R606	1-249-435-11	CARBON	33K	5%	1/4W	
R607	1-249-435-11	CARBON	33K	5%	1/4W	
R608	1-249-414-11	CARBON	560	5%	1/4W	
R609	1-249-435-11	CARBON	33K	5%	1/4W	
R610	1-249-435-11	CARBON	33K	5%	1/4W	
R611	1-249-412-11	CARBON	390	5%	1/4W	
R612	1-249-435-11	CARBON	33K	5%	1/4W	
R613	1-249-435-11	CARBON	33K	5%	1/4W	
R614	1-249-412-11	CARBON	390	5%	1/4W	
R615	1-249-435-11	CARBON	33K	5%	1/4W	
⚠R616	1-249-381-11	CARBON	1	5%	1/4W	F
⚠R617	1-249-381-11	CARBON	1	5%	1/4W	F
⚠R618	1-249-381-11	CARBON	1	5%	1/4W	F
⚠R619	1-249-381-11	CARBON	1	5%	1/4W	F
⚠R620	1-249-381-11	CARBON	1	5%	1/4W	F
R621	1-249-417-11	CARBON	1K	5%	1/4W	
R622	1-249-417-11	CARBON	1K	5%	1/4W	
R623	1-249-417-11	CARBON	1K	5%	1/4W	
R624	1-249-417-11	CARBON	1K	5%	1/4W	
R625	1-249-417-11	CARBON	1K	5%	1/4W	
R626	1-249-417-11	CARBON	1K	5%	1/4W	
R627	1-247-863-91	CARBON	22K	5%	1/4W	
R628	1-249-407-11	CARBON	150	5%	1/4W	
R629	1-247-863-91	CARBON	22K	5%	1/4W	
R630	1-247-863-91	CARBON	22K	5%	1/4W	
R631	1-249-435-11	CARBON	33K	5%	1/4W	
R632	1-260-297-11	CARBON	2.7	5%	1/2W	
R633	1-249-401-11	CARBON	47	5%	1/4W	
⚠R772	1-249-399-11	CARBON	33	5%	1/4W	F
R774	1-249-441-11	CARBON	100K	5%	1/4W	
R775	1-249-441-11	CARBON	100K	5%	1/4W	
R776	1-249-441-11	CARBON	100K	5%	1/4W	
R777	1-249-441-11	CARBON	100K	5%	1/4W	
R778	1-249-441-11	CARBON	100K	5%	1/4W	
R779	1-249-439-11	CARBON	68K	5%	1/4W	
		< RELAY >				
RY772	1-515-920-11	RELAY (24V)				

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	A-4419-447-A	DISPLAY BOARD, COMPLETE				
		**********				
*	4-991-276-01	HOLDER, FL TUBE				
		< CAPACITOR >				
C501	1-124-261-00	ELECT	10uF	20%	50V	
C502	1-124-261-00	ELECT	10uF	20%	50V	
C503	1-164-159-21	CERAMIC	0.1uF		50V	
C504	1-164-159-21	CERAMIC	0.1uF		50V	
C505	1-164-159-21	CERAMIC	0.1uF		50V	
C506	1-126-177-11	ELECT	100uF	20%	10V	
C507	1-104-905-11	CAPACITOR	0.22F		5.5V	
C508	1-164-159-21	CERAMIC	0.1uF		50V	
C509	1-124-465-00	ELECT	0.47uF	20%	50V	
C510	1-164-159-21	CERAMIC	0.1uF		50V	
C511	1-162-306-11	CERAMIC	0.01uF	30%	16V	
C512	1-164-159-21	CERAMIC	0.1uF		50V	
C513	1-124-257-00	ELECT	2.2uF	20%	50V	
C514	1-126-177-11	ELECT	100uF	20%	10V	
C515	1-102-074-00	CERAMIC	0.001uF	10%	50V	
C516	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C517	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C518	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C519	1-162-294-31	CERAMIC	0.001uF	10%	50V	
		< CONNECTOR >				
CN501	1-506-468-11	PIN, CONNECTOR 3P				
* CN502	1-568-942-11	PIN, CONNECTOR 4P				
* CN503	1-568-869-11	SOCKET, CONNECTOR 27P				
		< DIODE >				
D501	8-719-991-33	DIODE 1SS133T-77				
D502	8-719-991-33	DIODE 1SS133T-77				
D503	8-719-991-33	DIODE 1SS133T-77				
D507	8-719-991-33	DIODE 1SS133T-77				
		< FLUORESCENT INDICATOR TUBE >				
FL501	1-517-851-11	INDICATOR TUBE, FLUORESCENT				
		< IC >				
IC501	8-759-580-05	IC uPD78043FGF-059-3B9				
IC502	8-759-165-81	IC PST600D-T				
IC503	8-759-459-86	IC NJL64H400A (REMOTE CONTROL RECEIVER)				
		< COIL >				
L501	1-408-080-00	INDUCTOR	100uH			
		< TRANSISTOR >				
Q501	8-729-119-79	TRANSISTOR 2SC2785TP-FEK				
Q502	8-729-900-36	TRANSISTOR BA1F4M-TP				
Q503	8-729-900-36	TRANSISTOR BA1F4M-TP				
Q504	8-729-900-36	TRANSISTOR BA1F4M-TP				
Q505	8-729-900-36	TRANSISTOR BA1F4M-TP				
		< RESISTOR >				
R501	1-247-807-31	CARBON	100	5%	1/4W	
R502	1-247-807-31	CARBON	100	5%	1/4W	
R503	1-247-807-31	CARBON	100	5%	1/4W	
R504	1-247-807-31	CARBON	100	5%	1/4W	
R505	1-247-807-31	CARBON	100	5%	1/4W	
R506	1-247-807-31	CARBON	100	5%	1/4W	
R508	1-249-417-11	CARBON	1K	5%	1/4W	
R509	1-249-417-11	CARBON	1K	5%	1/4W	
R511	1-247-807-31	CARBON	100	5%	1/4W	
R512	1-249-417-11	CARBON	1K	5%	1/4W	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
R513	1-249-417-11	CARBON	1K	5%	1/4W
R516	1-249-417-11	CARBON	1K	5%	1/4W
R518	1-249-417-11	CARBON	1K	5%	1/4W
R519	1-249-417-11	CARBON	1K	5%	1/4W
R520	1-249-429-11	CARBON	10K	5%	1/4W
R521	1-249-429-11	CARBON	10K	5%	1/4W
R522	1-249-427-11	CARBON	6.8K	5%	1/4W
R530	1-249-427-11	CARBON	6.8K	5%	1/4W
R534	1-247-815-91	CARBON	220	5%	1/4W
R535	1-249-407-11	CARBON	150	5%	1/4W
R536	1-247-815-91	CARBON	220	5%	1/4W
R537	1-249-437-11	CARBON	47K	5%	1/4W
R538	1-249-437-11	CARBON	47K	5%	1/4W
R539	1-249-437-11	CARBON	47K	5%	1/4W
R540	1-249-437-11	CARBON	47K	5%	1/4W
R541	1-249-437-11	CARBON	47K	5%	1/4W
R542	1-249-437-11	CARBON	47K	5%	1/4W
R543	1-249-437-11	CARBON	47K	5%	1/4W
R544	1-249-437-11	CARBON	47K	5%	1/4W
R545	1-249-437-11	CARBON	47K	5%	1/4W
R546	1-249-437-11	CARBON	47K	5%	1/4W
R547	1-249-437-11	CARBON	47K	5%	1/4W
R548	1-249-437-11	CARBON	47K	5%	1/4W
R549	1-249-437-11	CARBON	47K	5%	1/4W
R550	1-249-437-11	CARBON	47K	5%	1/4W
R551	1-249-437-11	CARBON	47K	5%	1/4W
R552	1-249-437-11	CARBON	47K	5%	1/4W
R553	1-249-437-11	CARBON	47K	5%	1/4W
R554	1-249-437-11	CARBON	47K	5%	1/4W
R555	1-249-417-11	CARBON	1K	5%	1/4W
R556	1-249-429-11	CARBON	10K	5%	1/4W
R560	1-249-415-11	CARBON	680	5%	1/4W
R561	1-249-415-11	CARBON	680	5%	1/4W
R562	1-249-417-11	CARBON	1K	5%	1/4W
R564	1-249-417-11	CARBON	1K	5%	1/4W
R565	1-249-437-11	CARBON	47K	5%	1/4W
R566	1-249-425-11	CARBON	4.7K	5%	1/4W
R567	1-249-417-11	CARBON	1K	5%	1/4W
R568	1-249-437-11	CARBON	47K	5%	1/4W
R569	1-249-437-11	CARBON	47K	5%	1/4W
R570	1-249-437-11	CARBON	47K	5%	1/4W
		< VIBRATOR >			
X501	1-579-233-11	VIBRATOR, CERAMIC (5MHz)			

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	A-4419-453-A	FILTER BOARD, COMPLETE
		**********
		< CAPACITOR >
C305	1-126-934-11	ELECT 220uF 20% 16V
C306	1-126-934-11	ELECT 220uF 20% 16V
C307	1-126-960-11	ELECT 1uF 20% 50V
C308	1-126-961-11	ELECT 2.2uF 20% 50V
C309	1-126-960-11	ELECT 1uF 20% 50V
C310	1-126-961-11	ELECT 2.2uF 20% 50V
C311	1-126-961-11	ELECT 2.2uF 20% 50V
C312	1-126-960-11	ELECT 1uF 20% 50V
C313	1-126-960-11	ELECT 1uF 20% 50V
C314	1-126-934-11	ELECT 220uF 20% 16V
C315	1-136-167-00	FILM 0.15uF 5% 50V
C316	1-136-159-00	FILM 0.033uF 5% 50V
C317	1-126-934-11	ELECT 220uF 20% 16V
C318	1-136-169-00	FILM 0.22uF 5% 50V
C319	1-136-169-00	FILM 0.22uF 5% 50V
C320	1-126-960-11	ELECT 1uF 20% 50V
C321	1-136-165-00	FILM 0.1uF 5% 50V
C322	1-136-165-00	FILM 0.1uF 5% 50V
C323	1-136-171-00	FILM 0.33uF 5% 50V
C324	1-136-171-00	FILM 0.33uF 5% 50V
C325	1-126-961-11	ELECT 2.2uF 20% 50V
C326	1-126-960-11	ELECT 1uF 20% 50V
C327	1-126-960-11	ELECT 1uF 20% 50V
C328	1-126-960-11	ELECT 1uF 20% 50V
		< CONNECTOR >
* CN303	1-565-348-11	SOCKET, CONNECTOR (PC BOARD) 14P
		< DIODE >
D351	8-719-991-33	DIODE 1SS133T-77
D352	8-719-991-33	DIODE 1SS133T-77
		< IC >
IC301	8-759-634-51	IC M5218AP
IC302	8-759-634-51	IC M5218AP
IC303	8-759-634-51	IC M5218AP
IC304	8-759-634-51	IC M5218AP
		< TRANSISTOR >
Q303	8-729-141-30	TRANSISTOR 2SC3623ATP-LK
Q304	8-729-141-30	TRANSISTOR 2SC3623ATP-LK
Q305	8-729-141-30	TRANSISTOR 2SC3623ATP-LK
Q306	8-729-119-79	TRANSISTOR 2SC2785TP-FEK
Q307	8-729-119-79	TRANSISTOR 2SC2785TP-FEK
Q308	8-729-141-30	TRANSISTOR 2SC3623ATP-LK
		< RESISTOR >
R307	1-247-863-91	CARBON 22K 5% 1/4W
R308	1-249-437-11	CARBON 47K 5% 1/4W
R309	1-247-863-91	CARBON 22K 5% 1/4W
R310	1-247-863-91	CARBON 22K 5% 1/4W
R311	1-249-437-11	CARBON 47K 5% 1/4W
R312	1-247-863-91	CARBON 22K 5% 1/4W
R313	1-249-421-11	CARBON 2.2K 5% 1/4W
R314	1-249-429-11	CARBON 10K 5% 1/4W
R315	1-249-441-11	CARBON 100K 5% 1/4W
R316	1-249-421-11	CARBON 2.2K 5% 1/4W
R317	1-249-429-11	CARBON 10K 5% 1/4W
R318	1-249-441-11	CARBON 100K 5% 1/4W
R319	1-247-863-91	CARBON 22K 5% 1/4W
R320	1-249-437-11	CARBON 47K 5% 1/4W
R321	1-247-863-91	CARBON 22K 5% 1/4W
R322	1-249-421-11	CARBON 2.2K 5% 1/4W
R323	1-249-429-11	CARBON 10K 5% 1/4W
R324	1-249-441-11	CARBON 100K 5% 1/4W

FILTER **KEY** **LED** **MAIN**

Ref. No.	Part No.	Description			Remark
R325	1-249-431-11	CARBON	15K	5%	1/4W
R326	1-247-863-91	CARBON	22K	5%	1/4W
R327	1-249-422-11	CARBON	2.7K	5%	1/4W
R328	1-249-426-11	CARBON	5.6K	5%	1/4W
R329	1-249-436-11	CARBON	39K	5%	1/4W
R330	1-249-417-11	CARBON	1K	5%	1/4W
R331	1-249-435-11	CARBON	33K	5%	1/4W
R332	1-249-425-11	CARBON	4.7K	5%	1/4W
R333	1-249-425-11	CARBON	4.7K	5%	1/4W
R334	1-249-439-11	CARBON	68K	5%	1/4W
R335	1-249-417-11	CARBON	1K	5%	1/4W
R336	1-249-435-11	CARBON	33K	5%	1/4W
R337	1-249-401-11	CARBON	47	5%	1/4W
R338	1-247-863-91	CARBON	22K	5%	1/4W
R339	1-247-863-91	CARBON	22K	5%	1/4W
R340	1-249-437-11	CARBON	47K	5%	1/4W
R341	1-247-843-11	CARBON	3.3K	5%	1/4W
R342	1-249-417-11	CARBON	1K	5%	1/4W
R343	1-249-429-11	CARBON	10K	5%	1/4W
R344	1-249-441-11	CARBON	100K	5%	1/4W
R345	1-247-863-91	CARBON	22K	5%	1/4W
**********					
	1-673-477-11	KEY BOARD			
		**********			
R523	1-249-417-11	CARBON	1K	5%	1/4W
R524	1-249-419-11	CARBON	1.5K	5%	1/4W
R525	1-249-421-11	CARBON	2.2K	5%	1/4W
R527	1-249-417-11	CARBON	1K	5%	1/4W
R528	1-249-419-11	CARBON	1.5K	5%	1/4W
R529	1-249-421-11	CARBON	2.2K	5%	1/4W
R557	1-247-843-11	CARBON	3.3K	5%	1/4W
		< SWITCH >			
S501	1-762-875-21	SWITCH, KEYBOARD (INPUT)			
S502	1-762-875-21	SWITCH, KEYBOARD (S.WOOFER)			
S503	1-762-875-21	SWITCH, KEYBOARD (SURROUND)			
S504	1-762-875-21	SWITCH, KEYBOARD (CENTER MODE)			
S505	1-762-875-21	SWITCH, KEYBOARD (MASTER VOL +)			
S506	1-762-875-21	SWITCH, KEYBOARD (MASTER VOL –)			
**********					
	1-673-481-11	LED BOARD			
		**********			
		< CONNECTOR >			
* CN505	1-568-942-11	PIN, CONNECTOR 4P			
		< LED >			
D508	8-719-046-41	LED SEL5521C-TP15 (ON)			
D509	8-719-812-44	LED SEL5220S-TP15 (READY)			
D510	8-719-812-44	LED SEL5220S-TP15 (STANDBY)			
**********					
	A-4419-445-A	MAIN BOARD, COMPLETE (US, CND)			
	A-4419-455-A	MAIN BOARD, COMPLETE (EXCEPT US, CND)			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S			

Ref. No.	Part No.	Description			Remark
		< CAPACITOR >			
C101	1-162-286-21	CERAMIC	220PF	10%	50V
C102	1-162-286-21	CERAMIC	220PF	10%	50V
C103	1-162-286-21	CERAMIC	220PF	10%	50V
C104	1-162-286-21	CERAMIC	220PF	10%	50V
C105	1-162-286-21	CERAMIC	220PF	10%	50V
C106	1-162-286-21	CERAMIC	220PF	10%	50V
C107	1-104-664-11	ELECT	47uF	20%	25V
C108	1-104-664-11	ELECT	47uF	20%	25V
C181	1-126-960-11	ELECT	1uF	20%	50V
C182	1-126-960-11	ELECT	1uF	20%	50V
C183	1-126-926-11	ELECT	1000uF	20%	10V
C184	1-126-926-11	ELECT	1000uF	20%	10V
C185	1-126-964-11	ELECT	10uF	20%	50V
C186	1-126-964-11	ELECT	10uF	20%	50V
C187	1-126-964-11	ELECT	10uF	20%	50V
C188	1-126-964-11	ELECT	10uF	20%	50V
C189	1-126-964-11	ELECT	10uF	20%	50V
C201	1-126-960-11	ELECT	1uF	20%	50V
C202	1-126-960-11	ELECT	1uF	20%	50V
C203	1-126-960-11	ELECT	1uF	20%	50V
C204	1-104-665-11	ELECT	100uF	20%	25V
C205	1-126-960-11	ELECT	1uF	20%	50V
C206	1-126-960-11	ELECT	1uF	20%	50V
C207	1-126-960-11	ELECT	1uF	20%	50V
C208	1-126-960-11	ELECT	1uF	20%	50V
C209	1-137-367-11	FILM	0.0033uF	5%	50V
C210	1-136-157-00	FILM	0.022uF	5%	50V
C211	1-136-161-00	FILM	0.047uF	5%	50V
C212	1-136-161-00	FILM	0.047uF	5%	50V
C213	1-126-960-11	ELECT	1uF	20%	50V
C214	1-137-367-11	FILM	0.0033uF	5%	50V
C215	1-136-157-00	FILM	0.022uF	5%	50V
C216	1-136-161-00	FILM	0.047uF	5%	50V
C217	1-136-161-00	FILM	0.047uF	5%	50V
C218	1-126-965-11	ELECT	22uF	20%	50V
C231	1-104-665-11	ELECT	100uF	20%	25V
C232	1-126-960-11	ELECT	1uF	20%	50V
C233	1-137-367-11	FILM	0.0033uF	5%	50V
C234	1-136-157-00	FILM	0.022uF	5%	50V
C235	1-126-960-11	ELECT	1uF	20%	50V
C236	1-126-960-11	ELECT	1uF	20%	50V
C237	1-137-367-11	FILM	0.0033uF	5%	50V
C238	1-136-157-00	FILM	0.022uF	5%	50V
C239	1-126-960-11	ELECT	1uF	20%	50V
C240	1-126-965-11	ELECT	22uF	20%	50V
C261	1-126-960-11	ELECT	1uF	20%	50V
C262	1-126-960-11	ELECT	1uF	20%	50V
C263	1-126-960-11	ELECT	1uF	20%	50V
C264	1-126-960-11	ELECT	1uF	20%	50V
C265	1-104-665-11	ELECT	100uF	20%	25V
C266	1-126-960-11	ELECT	1uF	20%	50V
C267	1-126-960-11	ELECT	1uF	20%	50V
C268	1-126-960-11	ELECT	1uF	20%	50V
C269	1-126-960-11	ELECT	1uF	20%	50V
C270	1-126-960-11	ELECT	1uF	20%	50V

Ref. No.	Part No.	Description			Remark
C271	1-137-367-11	FILM	0.0033uF	5%	50V
C272	1-136-157-00	FILM	0.022uF	5%	50V
C273	1-136-161-00	FILM	0.047uF	5%	50V
C274	1-136-161-00	FILM	0.047uF	5%	50V
C275	1-126-960-11	ELECT	1uF	20%	50V
C276	1-137-367-11	FILM	0.0033uF	5%	50V
C277	1-136-157-00	FILM	0.022uF	5%	50V
C278	1-126-960-11	ELECT	1uF	20%	50V
C280	1-136-168-00	FILM	0.18uF	5%	50V
C281	1-136-168-00	FILM	0.18uF	5%	50V
C282	1-126-960-11	ELECT	1uF	20%	50V
C283	1-126-965-11	ELECT	22uF	20%	50V
C301	1-126-960-11	ELECT	1uF	20%	50V
C302	1-126-961-11	ELECT	2.2uF	20%	50V
C303	1-126-961-11	ELECT	2.2uF	20%	50V
C304	1-126-960-11	ELECT	1uF	20%	50V
C371	1-126-964-11	ELECT	10uF	20%	50V
C400	1-102-951-00	CERAMIC	15PF	5%	50V
C401	1-136-165-00	FILM	0.1uF	5%	50V
C402	1-102-852-91	CERAMIC	47PF	5%	50V
C403	1-130-469-00	MYLAR	680PF	5%	50V
C404	1-136-157-00	FILM	0.022uF	5%	50V
C405	1-102-973-00	CERAMIC	100PF	5%	50V
C406	1-102-953-00	CERAMIC	18PF	5%	50V
C407	1-136-161-00	FILM	0.047uF	5%	50V
C408	1-126-934-11	ELECT	220uF	20%	16V
C409	1-126-964-11	ELECT	10uF	20%	50V
C410	1-126-934-11	ELECT	220uF	20%	16V
C411	1-126-964-11	ELECT	10uF	20%	50V
C412	1-136-164-00	FILM	0.082uF	5%	50V
C413	1-126-959-11	ELECT	0.47uF	20%	50V
C414	1-126-964-11	ELECT	10uF	20%	50V
C415	1-137-367-11	FILM	0.0033uF	5%	50V
C416	1-136-177-00	FILM	1uF	5%	50V
C418	1-126-964-11	ELECT	10uF	20%	50V
C419	1-136-164-00	FILM	0.082uF	5%	50V
C420	1-126-934-11	ELECT	220uF	20%	16V
C421	1-136-177-00	FILM	1uF	5%	50V
C422	1-126-959-11	ELECT	0.47uF	20%	50V
C423	1-126-960-11	ELECT	1uF	20%	50V
C424	1-126-935-11	ELECT	470uF	20%	16V
C425	1-126-960-11	ELECT	1uF	20%	50V
C426	1-124-252-00	ELECT	0.33uF	20%	50V
C427	1-136-177-00	FILM	1uF	5%	50V
C428	1-136-177-00	FILM	1uF	5%	50V
C429	1-126-965-11	ELECT	22uF	20%	50V
C434	1-136-165-00	FILM	0.1uF	5%	50V
C435	1-136-165-00	FILM	0.1uF	5%	50V
C438	1-126-964-11	ELECT	10uF	20%	50V
C440	1-136-165-00	FILM	0.1uF	5%	50V
C441	1-136-165-00	FILM	0.1uF	5%	50V
C442	1-126-964-11	ELECT	10uF	20%	50V
C444	1-126-959-11	ELECT	0.47uF	20%	50V
C445	1-126-959-11	ELECT	0.47uF	20%	50V
C446	1-126-963-11	ELECT	4.7uF	20%	50V
C447	1-126-963-11	ELECT	4.7uF	20%	50V
C448	1-126-959-11	ELECT	0.47uF	20%	50V
C449	1-126-959-11	ELECT	0.47uF	20%	50V

Ref. No.	Part No.	Description			Remark
C450	1-126-963-11	ELECT	4.7uF	20%	50V
C451	1-126-963-11	ELECT	4.7uF	20%	50V
C452	1-124-250-11	ELECT	0.15uF	20%	50V
C453	1-124-250-11	ELECT	0.15uF	20%	50V
C454	1-126-962-11	ELECT	3.3uF	20%	50V
C455	1-126-962-11	ELECT	3.3uF	20%	50V
C456	1-124-250-11	ELECT	0.15uF	20%	50V
C457	1-124-250-11	ELECT	0.15uF	20%	50V
C458	1-126-964-11	ELECT	10uF	20%	50V
C460	1-126-960-11	ELECT	1uF	20%	50V
C461	1-162-286-21	CERAMIC	220PF	10%	50V
C462	1-162-286-21	CERAMIC	220PF	10%	50V
C463	1-162-286-21	CERAMIC	220PF	10%	50V
C464	1-162-286-21	CERAMIC	220PF	10%	50V
C465	1-162-286-21	CERAMIC	220PF	10%	50V
C466	1-162-286-21	CERAMIC	220PF	10%	50V
C467	1-126-960-11	ELECT	1uF	20%	50V
C468	1-126-960-11	ELECT	1uF	20%	50V
C469	1-126-960-11	ELECT	1uF	20%	50V
C470	1-126-960-11	ELECT	1uF	20%	50V
C471	1-126-934-11	ELECT	220uF	20%	16V
C474	1-164-159-21	CERAMIC	0.1uF		50V
C476	1-102-518-11	CERAMIC	33PF	5%	50V
C495	1-136-165-00	FILM	0.1uF	5%	50V
C703	1-104-665-11	ELECT	100uF	20%	25V
C704	1-126-963-11	ELECT	4.7uF	20%	50V
C705	1-104-665-11	ELECT	100uF	20%	25V
C751	1-126-949-11	ELECT	220uF	20%	35V
C752	1-126-968-11	ELECT	100uF	20%	50V
C753	1-104-665-11	ELECT	100uF	20%	25V
C801	1-104-664-11	ELECT	47uF	20%	25V
C802	1-126-959-11	ELECT	0.47uF	20%	50V
C901	1-117-691-11	ELECT (BLOCK)	8200uF	20%	50V
C902	1-117-691-11	ELECT (BLOCK)	8200uF	20%	50V
C903	1-136-165-00	FILM	0.1uF	5%	50V
C904	1-136-165-00	FILM	0.1uF	5%	50V
C905	1-117-203-11	ELECT (BLOCK)	10000uF	20%	63V
C906	1-117-203-11	ELECT (BLOCK)	10000uF	20%	63V
C907	1-136-165-00	FILM	0.1uF	5%	50V
C908	1-136-165-00	FILM	0.1uF	5%	50V
C909	1-128-548-11	ELECT	4700uF	20%	25V
C910	1-126-942-61	ELECT	1000uF	20%	25V
C911	1-136-165-00	FILM	0.1uF	5%	50V
C912	1-136-165-00	FILM	0.1uF	5%	50V
C913	1-126-968-11	ELECT	100uF	20%	50V
C914	1-126-968-11	ELECT	100uF	20%	50V
C915	1-126-964-11	ELECT	10uF	20%	50V
C916	1-126-967-11	ELECT	47uF	20%	50V
C917	1-126-964-11	ELECT	10uF	20%	50V
C918	1-104-665-11	ELECT	100uF	20%	25V
C919	1-136-165-00	FILM	0.1uF	5%	50V
C920	1-104-665-11	ELECT	100uF	20%	25V
C921	1-136-165-00	FILM	0.1uF	5%	50V
C922	1-104-665-11	ELECT	100uF	20%	25V
C923	1-136-165-00	FILM	0.1uF	5%	50V
C924	1-104-665-11	ELECT	100uF	20%	25V
C925	1-136-165-00	FILM	0.1uF	5%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C926	1-126-960-11	ELECT	1uF	20%	50V
C950	1-137-372-11	FILM	0.022uF	5%	50V
C951	1-126-942-61	ELECT	1000uF	20%	25V
		< CONNECTOR >			
* CN201	1-565-345-11	PIN, CONNECTOR (PC BOARD) 14P			
CN301	1-770-724-11	CONNECTOR, BOARD TO BOARD 9P			
* CN302	1-568-842-11	SOCKET, CONNECTOR 27P			
* CN371	1-564-506-11	PLUG, CONNECTOR 3P			
* CN701	1-564-243-11	PIN, CONNECTOR 6P			
CN751	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
CN910	1-770-721-11	CONNECTOR, BOARD TO BOARD 4P			
CN911	1-766-921-11	CONNECTOR, BOARD TO BOARD 10P			
CN990	1-770-721-11	CONNECTOR, BOARD TO BOARD 4P			
CNJ751	1-774-136-11	CONNECTOR, ROUND TYPE 6P (WIRELESS REAR SPEAKER)			
		< DIODE >			
D101	8-719-991-33	DIODE 1SS133T-77			
D102	8-719-991-33	DIODE 1SS133T-77			
D353	8-719-991-33	DIODE 1SS133T-77			
D401	8-719-070-77	DIODE SVC201SPA-M1-AC			
D701	8-719-991-33	DIODE 1SS133T-77			
D703	8-719-991-33	DIODE 1SS133T-77			
D704	8-719-991-33	DIODE 1SS133T-77			
D705	8-719-991-33	DIODE 1SS133T-77			
D706	8-719-991-33	DIODE 1SS133T-77			
D707	8-719-991-33	DIODE 1SS133T-77			
D708	8-719-991-33	DIODE 1SS133T-77			
D751	8-719-991-33	DIODE 1SS133T-77			
D801	8-719-933-59	DIODE HZS9C1LTD			
D802	8-719-991-33	DIODE 1SS133T-77			
D803	8-719-991-33	DIODE 1SS133T-77			
D804	8-719-991-33	DIODE 1SS133T-77			
D805	8-719-991-33	DIODE 1SS133T-77			
D901	8-719-062-39	DIODE D4SBL20UF1			
D902	8-719-062-39	DIODE D4SBL20UF1			
D903	8-719-200-82	DIODE 11ES2-NTA1B			
D904	8-719-200-82	DIODE 11ES2-NTA1B			
D905	8-719-200-82	DIODE 11ES2-NTA1B			
D906	8-719-200-82	DIODE 11ES2-NTA1B			
D907	8-719-200-82	DIODE 11ES2-NTA1B			
D908	8-719-200-82	DIODE 11ES2-NTA1B			
D909	8-719-934-17	DIODE HZS27-1LTD			
D910	8-719-118-63	DIODE RD5.6F-T7B2			
D911	8-719-991-33	DIODE 1SS133T-77			
		< EARTH TERMINAL >			
* EPT101	1-537-738-21	TERMINAL, EARTH			
* EPT902	1-537-738-21	TERMINAL, EARTH			
		< IC >			
IC101	8-759-000-48	IC MC14052BCP			
IC102	8-759-634-51	IC M5218AP			
IC103	8-759-634-51	IC M5218AP			
IC201	8-759-443-67	IC LC75373ED			
IC202	8-759-443-67	IC LC75373ED			
IC203	8-759-443-67	IC LC75373ED			

Ref. No.	Part No.	Description	Remark
IC400	8-759-528-36	IC CXA8081S	
IC401	8-759-528-35	IC CXA8079S	
IC701	8-759-111-68	IC uPC1237HA	
IC901	8-759-604-38	IC M5F78M10L	
IC902	8-759-604-44	IC M5F79M10L	
IC903	8-759-158-62	IC TA78057S	
IC904	8-759-604-38	IC M5F78M10L (EXCEPT US, CND)	
IC904	8-759-605-00	IC M5F78M07L (US, CND)	
		< JACK >	
J101	1-770-015-11	JACK, PIN 6P (TV IN, VIDEO IN, AUX IN)	
J401	1-785-009-11	JACK, PIN 6P (5.1CH INPUT: FRONT, REAR, WOOFER, CENTER)	
J801	1-566-819-41	JACK 1P (CONTROL S, TV IN) (US, CND)	
		< COIL >	
L400	1-410-509-11	INDUCTOR 10uH	
		< TRANSISTOR >	
Q301	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q302	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q351	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q352	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q353	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q354	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q371	8-729-111-29	TRANSISTOR 2SD1616-TP-K	
Q372	8-729-116-57	TRANSISTOR 2SB1068TP-K	
Q747	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q748	8-729-030-19	TRANSISTOR 2SB1640 (TP)	
Q801	8-729-111-29	TRANSISTOR 2SD1616-TP-K	
Q802	8-729-116-57	TRANSISTOR 2SB1068TP-K	
Q902	8-729-116-57	TRANSISTOR 2SB1068TP-K	
		< RESISTOR >	
R101	1-249-417-11	CARBON 1K 5% 1/4W	
R102	1-249-417-11	CARBON 1K 5% 1/4W	
R103	1-249-417-11	CARBON 1K 5% 1/4W	
R104	1-249-417-11	CARBON 1K 5% 1/4W	
R105	1-249-417-11	CARBON 1K 5% 1/4W	
R106	1-249-437-11	CARBON 47K 5% 1/4W	
R107	1-249-429-11	CARBON 10K 5% 1/4W	
R111	1-249-437-11	CARBON 47K 5% 1/4W	
R112	1-249-437-11	CARBON 47K 5% 1/4W	
R114	1-249-419-11	CARBON 1.5K 5% 1/4W	
R115	1-249-414-11	CARBON 560 5% 1/4W	
R116	1-249-419-11	CARBON 1.5K 5% 1/4W	
R117	1-249-414-11	CARBON 560 5% 1/4W	
R118	1-249-417-11	CARBON 1K 5% 1/4W	
R119	1-249-417-11	CARBON 1K 5% 1/4W	
R151	1-249-417-11	CARBON 1K 5% 1/4W	
R152	1-249-417-11	CARBON 1K 5% 1/4W	
R153	1-249-417-11	CARBON 1K 5% 1/4W	
R154	1-249-417-11	CARBON 1K 5% 1/4W	
R155	1-249-417-11	CARBON 1K 5% 1/4W	
R156	1-249-437-11	CARBON 47K 5% 1/4W	
R157	1-249-429-11	CARBON 10K 5% 1/4W	
R181	1-247-815-91	CARBON 220 5% 1/4W	
R182	1-247-815-91	CARBON 220 5% 1/4W	

Ref. No.	Part No.	Description			Remark
R183	1-247-895-91	CARBON	470K	5%	1/4W
R184	1-247-895-91	CARBON	470K	5%	1/4W
R185	1-249-413-11	CARBON	470	5%	1/4W
R186	1-249-413-11	CARBON	470	5%	1/4W
R187	1-249-441-11	CARBON	100K	5%	1/4W
R188	1-249-441-11	CARBON	100K	5%	1/4W
R189	1-249-441-11	CARBON	100K	5%	1/4W
R190	1-249-441-11	CARBON	100K	5%	1/4W
R191	1-249-441-11	CARBON	100K	5%	1/4W
R201	1-247-889-00	CARBON	270K	5%	1/4W
R202	1-249-431-11	CARBON	15K	5%	1/4W
R203	1-247-876-11	CARBON	75K	5%	1/4W
R204	1-247-889-00	CARBON	270K	5%	1/4W
R205	1-249-431-11	CARBON	15K	5%	1/4W
R206	1-247-876-11	CARBON	75K	5%	1/4W
R261	1-247-889-00	CARBON	270K	5%	1/4W
R262	1-249-431-11	CARBON	15K	5%	1/4W
R263	1-247-876-11	CARBON	75K	5%	1/4W
R264	1-249-435-11	CARBON	33K	5%	1/4W
R265	1-249-425-11	CARBON	4.7K	5%	1/4W
R266	1-249-429-11	CARBON	10K	5%	1/4W
R267	1-249-429-11	CARBON	10K	5%	1/4W
R268	1-247-843-11	CARBON	3.3K	5%	1/4W
R301	1-249-417-11	CARBON	1K	5%	1/4W
R302	1-249-429-11	CARBON	10K	5%	1/4W
R303	1-249-441-11	CARBON	100K	5%	1/4W
R304	1-249-417-11	CARBON	1K	5%	1/4W
R305	1-249-429-11	CARBON	10K	5%	1/4W
R306	1-249-441-11	CARBON	100K	5%	1/4W
R351	1-249-437-11	CARBON	47K	5%	1/4W
R352	1-249-437-11	CARBON	47K	5%	1/4W
R353	1-249-437-11	CARBON	47K	5%	1/4W
R354	1-249-437-11	CARBON	47K	5%	1/4W
R371	1-249-425-11	CARBON	4.7K	5%	1/4W
R372	1-249-441-11	CARBON	100K	5%	1/4W
R375	1-249-421-11	CARBON	2.2K	5%	1/4W
R391	1-247-807-31	CARBON	100	5%	1/4W
R392	1-247-807-31	CARBON	100	5%	1/4W
R393	1-247-807-31	CARBON	100	5%	1/4W
R394	1-247-807-31	CARBON	100	5%	1/4W
R395	1-247-807-31	CARBON	100	5%	1/4W
R396	1-247-807-31	CARBON	100	5%	1/4W
R400	1-249-441-11	CARBON	100K	5%	1/4W
R401	1-249-436-11	CARBON	39K	5%	1/4W
R451	1-249-439-11	CARBON	68K	5%	1/4W
R458	1-249-436-11	CARBON	39K	5%	1/4W
R461	1-249-417-11	CARBON	1K	5%	1/4W
R462	1-249-417-11	CARBON	1K	5%	1/4W
R463	1-249-417-11	CARBON	1K	5%	1/4W
R464	1-249-417-11	CARBON	1K	5%	1/4W
R465	1-249-417-11	CARBON	1K	5%	1/4W
R466	1-249-417-11	CARBON	1K	5%	1/4W
R467	1-247-895-91	CARBON	470K	5%	1/4W
R468	1-247-895-91	CARBON	470K	5%	1/4W
R469	1-247-895-91	CARBON	470K	5%	1/4W
R470	1-247-895-91	CARBON	470K	5%	1/4W
R471	1-247-895-91	CARBON	470K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R472	1-247-895-91	CARBON	470K	5%	1/4W
R473	1-249-437-11	CARBON	47K	5%	1/4W
R474	1-249-437-11	CARBON	47K	5%	1/4W
R705	1-249-429-11	CARBON	10K	5%	1/4W
R706	1-249-435-11	CARBON	33K	5%	1/4W
R707	1-249-428-11	CARBON	8.2K	5%	1/4W
R708	1-249-441-11	CARBON	100K	5%	1/4W
R711	1-249-437-11	CARBON	47K	5%	1/4W
R712	1-249-437-11	CARBON	47K	5%	1/4W
R713	1-249-437-11	CARBON	47K	5%	1/4W
R714	1-249-437-11	CARBON	47K	5%	1/4W
R715	1-249-437-11	CARBON	47K	5%	1/4W
R716	1-249-437-11	CARBON	47K	5%	1/4W
R751	1-249-429-11	CARBON	10K	5%	1/4W
R752	1-247-887-00	CARBON	220K	5%	1/4W
R753	1-249-429-11	CARBON	10K	5%	1/4W
R754	1-247-887-00	CARBON	220K	5%	1/4W
R755	1-260-103-11	CARBON	2.2K	5%	1/2W
R756	1-249-421-11	CARBON	2.2K	5%	1/4W
R757	1-249-425-11	CARBON	4.7K	5%	1/4W
R758	1-249-425-11	CARBON	4.7K	5%	1/4W
⚠R759	1-249-474-11	CARBON	1	5%	1/2W F
⚠R771	1-249-399-11	CARBON	33	5%	1/4W F
⚠R773	1-249-399-11	CARBON	33	5%	1/4W F
R801	1-249-393-11	CARBON	10	5%	1/4W
R802	1-247-807-31	CARBON	100	5%	1/4W
R803	1-249-437-11	CARBON	47K	5%	1/4W
R804	1-249-437-11	CARBON	47K	5%	1/4W
R805	1-249-441-11	CARBON	100K	5%	1/4W
R806	1-249-425-11	CARBON	4.7K	5%	1/4W
R807	1-249-429-11	CARBON	10K	5%	1/4W
R903	1-247-843-11	CARBON	3.3K	5%	1/4W
R904	1-249-437-11	CARBON	47K	5%	1/4W
R905	1-247-807-31	CARBON	100	5%	1/4W
R906	1-247-807-31	CARBON	100	5%	1/4W
⚠R907	1-215-910-00	METAL OXIDE	68	5%	3W F
		< RELAY >			
RY771	1-515-920-11	RELAY (24V)			
RY773	1-515-920-11	RELAY (24V)			
		< TERMINAL >			
TM701	1-537-923-11	TERMINAL BOARD (SPEAKER) (6P) (CENTER SPEAKER, REAR SPEAKERS)			

****

	1-674-143-11	REG BOARD			
		**********			
		< CAPACITOR >			
C754	1-126-968-11	ELECT	100uF	20%	50V
C755	1-104-665-11	ELECT	100uF	20%	25V
		< IC >			
IC751	8-759-605-01	IC M5F78M18L			

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STANDBY | T1 | T2

Ref. No.	Part No.	Description	Remark
	1-673-074-11	STANDBY BOARD	
		**********	
	1-533-217-31	HOLDER, FUSE	
		< CONNECTOR >	
CN906	1-565-792-11	PIN, CONNECTOR 2P	
* CN907	1-695-044-11	PIN, CONNECTOR 2P	
* CN908	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P	
CNP910	1-793-419-11	CONNECTOR, BOARD TO BOARD 4P	
CNP990	1-793-419-11	CONNECTOR, BOARD TO BOARD 4P	
		< DIODE >	
D950	8-719-991-33	DIODE 1SS133T-77	
D951	8-719-200-82	DIODE 11ES2-NTA1B	
D952	8-719-200-82	DIODE 11ES2-NTA1B	
D953	8-719-200-82	DIODE 11ES2-NTA1B	
D954	8-719-200-82	DIODE 11ES2-NTA1B	
D955	8-719-991-33	DIODE 1SS133T-77	
		< FUSE >	
⚠F901	1-532-503-31	FUSE T1.6AL/250V (EXCEPT US, CND)	
⚠F901	1-533-420-11	FUSE GLASS CYLINDRICAL (DIA.5) 5A/125V	(US, CND)
		< TRANSISTOR >	
Q901	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
		< RESISTOR >	
R950	1-249-437-11	CARBON 47K 5% 1/4W	
R951	1-249-425-11	CARBON 4.7K 5% 1/4W	
R952	1-249-441-11	CARBON 100K 5% 1/4W	
R953	1-247-863-91	CARBON 22K 5% 1/4W	
		< RELAY >	
⚠RY901	1-755-018-11	RELAY	
		< TRANSFORMER >	
⚠T902	1-433-735-11	TRANSFORMER, POWER (EXCEPT US, CND)	
⚠T902	1-433-736-11	TRANSFORMER, POWER (US, CND)	
**********			
	1-673-478-11	T1 BOARD	
		*********	
**********			
	1-673-479-11	T2 BOARD	
		*********	
	1-533-217-31	HOLDER, FUSE	
		< CONNECTOR >	
* CN903	1-564-243-11	PIN, CONNECTOR 6P	
CN904	1-691-767-11	PLUG (MICRO CONNECTOR) 5P	
		< FUSE >	
⚠F902	1-532-504-31	FUSE T4AL/250V (EXCEPT US, CND)	

Ref. No.	Part No.	Description	Remark
⚠F902	1-533-420-11	FUSE GLASS CYLINDRICAL (DIA.5) 5A/125V	(US, CND)
⚠F903	1-532-504-31	FUSE T4AL/250V (EXCEPT US, CND)	
⚠F903	1-533-420-11	FUSE GLASS CYLINDRICAL (DIA.5) 5A/125V	(US, CND)
⚠F904	1-532-504-31	FUSE T4AL/250V (EXCEPT US, CND)	
⚠F904	1-533-310-11	FUSE GLASS CYLINDRICAL (DIA.5) 6.3A/125V	(US, CND)
⚠F905	1-532-504-31	FUSE T4AL/250V (EXCEPT US, CND)	
⚠F905	1-533-310-11	FUSE GLASS CYLINDRICAL (DIA.5) 6.3A/125V	(US, CND)
		< RESISTOR >	
⚠R901	1-212-934-00	FUSIBLE 1 5% 1/2W F	
⚠R902	1-212-934-00	FUSIBLE 1 5% 1/2W F	
**********			
		MISCELLANEOUS	
		**********	
53	1-773-256-11	WIRE (FLAT TYPE) (27 CORE)	
⚠61	1-575-042-21	CORD, POWER (CND)	
⚠61	1-575-651-21	CORD, POWER (AEP, E)	
⚠61	1-751-529-11	CORD, POWER (UK)	
⚠61	1-783-531-31	CORD, POWER (US)	
M371	1-698-792-11	FAN, DC	
SP101	1-529-221-11	SPEAKER (10cm)	
SP201	1-529-223-11	SPEAKER (16cm)	
SP301	1-529-221-11	SPEAKER (10cm)	
SP401	1-529-223-11	SPEAKER (16cm)	
SP701	1-529-222-11	SPEAKER (8cm)	
SP801	1-529-222-11	SPEAKER (8cm)	
SP901	1-529-281-11	SPEAKER (8cm)	
⚠T900	1-433-759-11	TRANSFORMER, POWER (US, CND)	
⚠T900	1-433-760-11	TRANSFORMER, POWER (EXCEPT US, CND)	
**********			
		**********	
		HARDWARE LIST	
		**********	
#1	7-685-887-09	SCREW +BVTT 4X25 (S)	
#2	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
#3	7-685-881-09	SCREW +BVTT 4X8 (S)	
#4	7-685-660-79	SCREW +P 4X10 TYPE2 NON-SLIT	
#5	7-685-661-79	SCREW +BVTP 4X12 TYPE2 SLIT	
#6	7-685-663-79	SCREW +P 4X16 TYPE2 NON-SLIT	
#7	7-685-659-79	SCREW +BVTP 4X8 TYPE2 IT-3	
**********			
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-418-291-11	REMOTE COMMANDER (RM-J70)	
	1-475-042-11	ADAPTOR (AEP, UK)	
	1-590-480-11	CORD, CONNECTION (AUDIO)	
	1-751-347-11	CORD, CONNECTION (SPEAKER) (10m)	
	1-769-433-21	CORD, SPEAKER (2.5m)	
	1-790-399-11	CORD, CONNECTION (MAIN UNIT R–L CABLE)	
	3-866-402-11	MANUAL, INSTRUCTION (ENGLISH)	
	3-866-402-21	MANUAL, INSTRUCTION (FRENCH)	

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Ref. No.	Part No.	Description	Remark
	3-866-402-31	MANUAL, INSTRUCTION (GERMAN, SPANISH, DUTCH, SWEDISH, ITALIAN, PORTUGUESE)	(AEP)
	3-866-402-41	MANUAL, INSTRUCTION (CHINESE)	(E)
	4-972-322-01	FOOT (Y) (for SS-CN16)	
	4-981-643-01	COVER, BATTERY (for RM-J70)	

9-928-929-11

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Home Audio Company

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